

# Information Brochure 2014-15



- Doctoral Programme
- Master of Urban Design
- Master of Landscape Architecture
- Master of Architecture (Conservation)
- Master of Planning (Urban and Regional Planning)
- Master of Planning (Environmental Planning)
- Bachelor of Architecture
- Bachelor of Planning



योजना एवं वास्तुकला विद्यालय, भोपाल  
School of Planning and Architecture, Bhopal

## संस्थान गान

“नागपृष्ठ समारूढं शूलहस्तं महाबलम् ।  
पाताल नायकं देवं वास्तुदेवं नम्यामहम् ॥”

उठो सुनो प्राची से उगते, सूरज की आवाज ।  
अपना देश बनेगा सारी दुनिया का सरताज ॥

श्रद्धा अपरम्पार कि पत्थर में भी प्रीति जगाई ।  
ताजमहल पर गर्व हमें है, जग भी करे बड़ाई ॥  
उसी प्रेरणा से रच दें, हम फिर से नया समाज ।  
स्वागत करने को नवयुग का, नया सजाएं साज ॥

मलिन हो गई धरा आज फिर, उसको पुनः सजाएं ।  
हरित शिल्प से चलो सृजन का, नारा हम दोहराएं ॥  
सोये आदर्शों को आओ, सब मिल पुनः जगाएं ।  
नूतन सृजन हो शिव सृजन, दुनिया में पहुँचाएं ॥

उठो सुनो प्राची से उगते, सूरज की आवाज ।  
एस.पी.ए. के छात्र करेंगे, नवयुग का आगाज ॥

## संस्थान गीत

ढूँढ रहा था, इक नया उजाला,  
फिर मिला तू, इस नयी राह में ।  
तू ही जिन्दगी, तू ही मंजिल,  
तू ही हर खुशी, इस दास्तान में ।

ये ज़मीं, ये आसमां,  
और सितारे भी हैं अपने साथ ।  
ये अंधेरा भी टल जायेगा,  
कल सवेरा नया लायेगा ।

हर खुशियों में, हर मुश्किल में,  
हर लबों पे बस एक ही पुकार,  
जी उठे...एसपीए, भोपाल ।

तेरी दुआ से, कुछ बन जाऊंगा,  
तेरे नाम को, मिटने ना दूंगा ।  
जहां जहां पर, मेरे कदम पड़ेंगे,  
वहाँ तेरा फिर, निशां दिखेगा ।

ये ज़मीं, ये आसमां,  
और सितारे भी हैं अपने साथ ।  
ये अंधेरा भी टल जायेगा,  
कल सवेरा नया लायेगा ।

हर खुशियों में, हर मुश्किल में,  
हर लबों पे बस एक ही पुकार,  
जी उठे...एसपीए, भोपाल ।

Proud to be SPArtans....Proud to be SPARTans

The School organised a student competition to compose an Institute Anthem. The brief was to compose lyrics and music of a proposed anthem which inspires students and conveys objectives of the school. After a great response from students, Institute decided to adopt the above Institute Anthem and another composition was selected as Institute song. Following students received suitable award for respective entries.

Institute Anthem : Abhinav Agrawal, Arindom Bori, Parikshit Nema, Shouvik Bhattacharjee

Institute Song : Sourabh Das, Abirbav Sanyal, Arunabh Das, Hari Shankar K, Abijeet Parashar

**S**chool of Planning and Architecture was established by the Government of India as 'Institute of National Importance' in the year 2008 to be declared so by an act of Parliament. The school is committed to produce best Architects and Planners for the Nation to take up the challenges of physical and socio-environmental development of global standards. This is being developed as 'University of Imagination', where a sense of enquiry prevails amongst all stakeholders/students, researchers, professors and society at large. School of Planning and Architecture strives for social sustenance through universal design, cultural sustenance through conservation and environmental sustenance through the discipline of Architecture, Planning and Design.

The Institute strives;

- To create School of Planning and Architecture, Bhopal as a centre of excellence for imparting quality education at undergraduate, postgraduate, doctoral and post-doctoral levels in Planning and Architecture.
- To create national level research and development centre with special emphasis on research and consultancy work in the field of Planning and Architecture.
- To create national level research and database centre and decision support centre for the preparation and implementation of settlement and habitat development programme for the Government.
- To create the nodal centre for mentoring other architecture and spatial planning institutions in the central region.
- To create a cadre of high calibre faculty members who will be devoted to teaching, research and consultancy in all disciplines that deal with Planning and Architecture.
- To become socially responsible institution providing research feedback to the Government for physical development of human settlements.



Till the time the Bill related with SPA, Bhopal is pending to be approved by the Parliament of India, SPA, Bhopal is proposed to act as Off-Campus Center of School of Planning and Architecture, New Delhi which is a Deemed University under UGC Act.



## Chairperson's Message



### **Sunita Kohli, Chairperson, SPA Bhopal**

Sunita Kohli is the President of K2INDIA Architects and Designers ([www.k2india.com](http://www.k2india.com)). She is a research-based interior designer, a reputed leader in historical interior and architectural restoration and a manufacturer of fine contemporary and classical furniture since 1972. She has worked in Egypt, where she designed several resorts and luxury hotel boats on the Nile for the 'Oberoi Group'. She has also restored, designed and furnished Naila Fort in Jaipur. Most recently, she has been working in Sri Lanka and Pakistan. She specializes in the design of public buildings such as museums, libraries, hotels, resorts, luxury hotel boats, forts, palaces, heritage properties, aircrafts, corporate offices and private residences.

In New Delhi, Sunita Kohli has restored and decorated many British period buildings – designed by Sir Edwin Lutyens, Sir Herbert Baker and Sir Robert Tor Russell – notably Rashtrapati Bhawan, Prime Minister's Office and Secretariat, Hyderabad House, Nos. 3 and 5 Racecourse Road- the Official Residence of the Prime Minister and the bungalows of the Indira Gandhi Memorial Museum'. She has interior designed the British Council Building, the largest of their eighty institutions worldwide; and done the

interior architecture and design of the DLF Corporate Office(9th Floor), Parliament Street, New Delhi.

In 1989, Sunita Kohli designed the National Assembly Building in Thimpu, Bhutan. Again in April 2010, for the SAARC Summit held in Thimpu, she and Kohelika Kohli (architect, CEO and Creative Director of her company, K2India), worked on these Parliament Buildings, which included the National Banquet Hall.

Sunita Kohli, is an honorary co-expert consultant for the Integrated Development of the Samadhi Complex in New Delhi and of the Memorial in Sriperumbudur of the late Prime Minister, Shri Rajiv Gandhi; member of the Advisory Committee of Rashtrapati Bhavan (ACMM); member of the Technical Committee of the Lok Sabha for Parliament House; member of the General Council of the School of Planning and Architecture, Delhi; on the Academic Advisory Board of the Sushant School of Art and Architecture, Haryana. In January 2014, Sunita Kohli was appointed Chairperson of the School of Planning and Architecture, in Bhopal, for a period of five years.

Amongst many institutions in the USA, Sunita Kohli has lectured at Harvard University and at Emory University, Atlanta. In 2003, she was the first Indian designer/architect invited to lecture at the National Building Museum in Washington DC. Most recently, in October 2013, she was invited to lecture at the University of Edinburgh and at the Glasgow School of Art. She has presented several papers on Design, Architecture, Historical Conservation, Literature, Mughal Jewellery, World Heritage Cultural Sites in India and on 'Social Entrepreneurship'.

In 1992, Sunita Kohli was conferred the Padma Shri. That same year she was also presented the Mahila Shiromani Award, which recognizes women of achievement, by Mother Teresa.

Government of India established School of Planning and Architecture, Bhopal in 2008 with an expectation that the new institute would take a lead in educating young professionals in the fields of Architecture and Planning and also become leading research centre in India and World. In 2014, School of Planning and Architecture, Bhopal has completed six years of its under-graduate programmes and since 2010, the School has been offering Post Graduate Programmes in the field of Urban Design, Urban Planning, Landscape, Conservation and Environmental Planning. SPA Bhopal launched doctoral programme in 2010 and developed itself as a leading research institution with many cutting edge research projects ongoing.

I have recently assumed the charge of Chairperson of SPA Bhopal. For this honour, I feel deeply privileged and I sincerely hope that my association with SPA Bhopal, together with active support of faculty, will be an extremely fruitful one for the cause of education, for the Institute and one that would also hugely add to my own learning curve. In the last five years, the

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Institute has developed from ground zero to this level, where now, students of other institutions look forward to join the degree programmes offered by SPA, Bhopal.

As the new Chairperson of SPA Bhopal, I would like to endeavor to take on the task, of taking forward this new National Institute, in the right spirit of the stated vision and mission of this School. This can only be possible with active enthusiasm of students. Bernard Shaw once said, “enthusiasm is the gift of youth”. With so many youthful people in the Institute and many more to join, I know that there will be no shortage of enthusiasm, in all our endeavors.

Madhya Pradesh is extremely rich in traditional knowledge systems, as well as in natural and built heritage, of world heritage status. This one state has three sites, although many more sites are worthy of inclusion. In Madhya Pradesh, which is situated in the centre of India, the training of architects and planners must be so, that they are not only trained in all 'state of the art' technologies, together with the most modern aspects of services planning, but that their understanding of their regions should also be so thorough that they learn from vernacular idioms and local traditions, for use even in global applications.

I would like to emphasize that the induction of research at the undergraduate level, in the form of seminars, or in the form of conducting research for a design exercise becomes extremely important for the success of any design project. I would like to share that in my private practice of now 43 years, a practice which has concentrated mainly on the design of hotels and public buildings, I have always laid great emphasis on research. Research about the cultural milieu of a particular project, research about the history of the country and the region where the project is located, research about the users, research about the materials to be used, research about the craft and design traditions of the region, research even about local colours, and if restoration is involved, then, thorough research about the complete background of the building where this intervention is required. In my opinion, only with this knowledge, comes rooted creativity. I very strongly feel that to be a sensitive architect and designer, to be a sensitive planner, the input of social sciences and humanities is of great importance. Any good institution can greatly benefit by the introduction of liberal arts and humanities, at early levels of architectural education. This promotes innovation! So, I would like to congratulate the School about the research environment it tries to create and the research attitude it tries to inculcate in the students.

In the months ahead, I would like to suggest that the School develop online virtual platforms of discussions and links with the best institutions of the world. Today, this is all in the realm of possibility. The Institute can use all their publications, in digitized formats, and share these through this Virtual Platform. The Institute has already established some linkages with International Institutions. We should increase these further. We have already initiated discussions with representatives of Institutions in Australia, Germany, France and Spain for academic collaborations and exchange programmes, for students and faculty of our Institute. I am a firm believer that travel, whether in India or to foreign countries, adds greatly to one's visual education. And, this deepens creativity and skill sets!

I know that the Institute runs a 'Knowledge Exchange Series'. This series, I would suggest, should be made very regular. And, highly inspiring and high achievers in various and differing creative fields should be invited to deliver these special lectures. This would also give our students the opportunity to interact with these knowledgeable and creative people. I am sure that this calendar of events would be eagerly awaited by not only the students of SPA Bhopal, but also by the students of other schools in this region. While I congratulate the School for founding a very special initiative called 'SPA PRESS', I would suggest that the School should take the initiative, about developing publications in India, for the benefit of larger masses of students and should also consider going into the publication of text books.

I am very pleased to say that the entire operations of SPA Bhopal, will be shifted to the new campus from July 2014. But the task of achieving a world class campus is still to be fulfilled! Our buildings should aspire to be an inspiration for all architects. They should create a wonderful learning environment for young people. We are indeed moving in that direction and will be able to complete the ongoing developments by 2016. While the School develops its own world-class campus, I wish the School to promote not only the objectives and aspirations of the Institute but also those of our nation in the ever-expanding strategies, programmes and projects in the field of urban development.

**Mrs. Sunita Kohli**  
Chairperson, Board of Governors, SPA Bhopal



## An Invitation by Director



**Professor (Dr.) Ajay Khare, Founder-Director of School of Planning and Architecture Bhopal**, is a well-known scholar in the field of Architecture and remained a Fulbright Fellow at the United States of America and Charles Wallace Fellow at United Kingdom. He was the first Indian recipient of Berkeley Teaching Fellowship. Ajay earned his doctorate from De Montfort University, Leicester, UK, on his work about early temples of Bengal. An architect and conservationist, educated at Lucknow and N. Delhi, Professor Ajay Khare studied heritage conservation at York University. He started his career as a practicing architect and heritage consultant at Jaipur where he regularly took interest in dissemination of knowledge. Before joining SPA, Bhopal, as the first Director Ajay was working as Professor and Head of Architecture and Planning department at Birla Institute of Technology, MESRA, Ranchi for ten years.

Since August 2009, Professor Ajay Khare is involved in establishing the National Institute of Government of India called School of Planning and Architecture at Bhopal. It is a Stand alone University level institution devoted to teaching and research in the field of architecture and planning. The institute is committed to produce socially responsible architects and planners, and the Director emphasizes on using the social opportunity central India

presents to the institute for teaching and learning. As Professor of Architecture, Ajay conducts design studio of third year of the five year Under Graduate degree program in architecture, and coordinates the PG Program in Conservation. The institute regularly conducts National competition on topical issues such as Eco-sensitive design, barrier-free environment, Inclusive Design under the leadership of Dr. Khare. He has presented his work on Inclusive design, Education and Heritage in many well known forums organized by HFES, AHFE, EDRA, ITPI, IIA, ICOMOS, NBA. Dr. Khare is a keen researcher and serves on Doctoral Committees in many Universities. He is currently supervising many research scholars conducting their doctoral work related with education and cultural sites of India.

He is author of a widely acclaimed book 'Temple Architecture of Eastern India' published in 2005. He received prestigious Archi-Design award for the best-written work in Architecture for this book. He has edited many conference proceedings and written several articles, research papers and book reviews in national and international journals. He edits an international journal called 'SPANDREL' as Chief Editor published by SPA Press.

Professor Ajay Khare serves on many National committees and Missions, and acted as a member of Planning commission working group on Technical education for twelfth plan of India and represented the country in first ever Indo-US Higher Education Summit at Washington in 2011. Ajay is a member of All India Board on Architectural Education (AIBAE) of AICTE, which advises the Government of India about architectural education. He is also a member of National Executive Committee of International Council of Monuments and Sites (ICOMOS India), and trustee of Indian Heritage Cities Network (IHCN). In 2013, he was appointed as member of General Council of National Board of Accreditation of India (NBA).

Dear Friends,

It is indeed a great honour that I was given the responsibility of heading School of Planning & Architecture Bhopal as its founder Director in 2009. As per the vision of the founding fathers of this institution, School of Planning & Architecture, Bhopal is being developed as an 'Institution of National importance' to follow its six point charter and to take the leading role in the field of architectural and planning education in India.

The craft of architectural education requires critical and imaginative reflection. We not only teach design principles that explore form and compositions through the design of possible buildings, we teach students to ask the right questions, to challenge their assumptions, and to position themselves intellectually in relation to various physical and cultural world context. We are developing School of Planning and Architecture Bhopal as 'University of Imagination' where 'a sense of enquiry' will always prevail amongst all stakeholders- students, researchers, professors and society at large. Our primary

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method of enquiry will remain 'design': the speculative design of buildings and investigative design of settlements. This attitude would run through our Bachelor of Architecture and Planning programmes and higher professional degrees through a curriculum comprised of specific areas of study supporting the design studio. Together with design, studies in technology, humanities, professional practices and social sciences will form a model for integrated education in architecture and planning. While the School talks about striving for social, cultural and environmental sustenance, we recognize that in India, sustainability is the bedrock of our inclusive development. The School has adopted newer concept of universal design, green design, conservation and will continue to draw inspiration from history.

Our programmes are competitive to enter, challenging to go through and cutting-edge on relevance and rigour. Our responses to changes in the society around us are research and evidence based. We are establishing state of art laboratories and have started an internationally refereed research journal called 'SPANDREL' to nurture an environment of research in our institute. The spirit of entire curriculum at SPA Bhopal will suggest that it is possible to affect global architectural culture through local practice. We believe that India is creating its own new grounds of global learning and practice out of its own diversity, complexity and philosophy.

Our school's location in the heart of India gives us a vantage point to draw from cultural context of Malwa, Mahakaushal, Vidarbha, Gopakshetra & Bundelkhand. The School's common context is the city of lakes, Bhopal and the myriad of smaller communities and artful practices that abound in the central region of India. These communities provide social opportunities, inspiration and support for the study of urban and human settlement pattern involving real issues that embrace creative tension. All the while, the sublime beauty of Madhya Bharat grounds us in a positive and creative manner.

To establish the institution as per the expressed mission and vision of School of Planning and Architecture Bhopal as 'Institution of National Importance', it demands a large sprawling campus within the natural surroundings of flora and fauna. The school is developing an integrated campus in the educational hub of village Bhauri where M.P. Government has earmarked 30 hectares of land. Our two boys hostels and a girls hostel are ready and entire Planning department has moved on to the new campus in 2013. All Post Graduate as well as B. Planning programmes are being offered from the new campus. With the ongoing building and infrastructure development on site, the institute aims to start all its activities in the new campus from July 2014. Our green field campus is located twenty kilometers away from the Bhopal city connected by a regular bus service. The fully residential campus of SPA Bhopal aims to be completely pedestrianised and would not permit students vehicle.

SPA Bhopal was fortunate to have Professor E. F. N. Ribeiro as its Founder-Chairman of the Board of Governors whose constant supervision guided us through initial days of formation. In February 2014, Mrs. Sunita Kohli, a Padmashri recipient and eminent consultant of architecture, restoration and interior design joined the SPA family as Chairperson of Board of Governors to guide the further growth of institution. Our other honourable members of Board provide us their valuable inputs through their vast experience. SPA Bhopal's dynamic faculty is drawn from both national and international context. They are passionate about architectural education and are recipients of many scholarly awards which show our commitment to subtle relation between theory and practical. Our student body reflects particularly wide diversity of cultural background. Students have come to Bhopal from across the country, from as distant places as Meghalaya, Tripura, Kerala, Andhra Pradesh & Himachal Pradesh. We also travel to study and record various cultures and settlements through studio field trips and annual travel study. How we design for the future depends largely on our understanding of where we have come from. The diversity and talents of students and faculties, the cultural strength of the region and tremendous support of stalwarts of the field will contribute to SPA Bhopal being placed among the leading institutions for the Architectural and Planning education in the world. With this charge before us, we invite you to join in our School's pursuit of excellence in the natural and built environment.



Prof. Ajay Khare



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Assistant Librarian.

### Prof. Sanjeev Singh

Secretary - Academic Council  
and Registrar.





## Faculty Members

### Department of Architecture

	Name	Qualification	Area of specialization
1.	Prof. (Dr.) Ajay Khare Director	Ph.D. (U.K.), M.A. (York), M.Arch. (Conservation), B.Arch.	History of Architecture, Urban Design and Conservation.
<b>Professor</b>			
2.	Prof. (Dr.) Sanjeev Singh	Ph.D., M.A. (Environmental Studies), B.Arch.	Architecture and Environmental Planning.
3.	Prof. (Dr.) Rachna Khare	Ph.D. (Arch.), PG (Environmental Studies), B. Arch.	Architecture, Universal Design and Human Centric Studies in Architecture.
4.	Prof. Savita Raje	Ph.D. (Ongoing), P.G.D. in Landscape Architecture, B.Arch.	Architecture and Landscape Architecture.
<b>Associate Professor</b>			
5.	Dr. Tapas Mitra	Ph.D., M.Arch., B. Arch.	Design Theory and Urban Studies.
6.	Piyush Hajela	Ph.D. (Ongoing), Masters Urban Design, B. Arch.	Architecture and Urban Design.
7.	Ajay Kumar Vinodia	Ph.D. (Ongoing), M.U.R.P., B. Arch.	Architecture and Infrastructure Development Planning.
8.	Sandeep Sankat	Ph.D. (Ongoing), M. Ekistics, B. Arch.	Architecture and Ekistics.
9.	Saurabh Popli	M.Arch., B.Arch.	Landscape Architecture.
<b>Assistant Professor</b>			
10.	Dr. Vishakha Kawathekar	Ph.D., M. Arch., Architectural Conservation	Architectural Conservation.
11.	Dr. Anand Wadwekar	Ph.D., M. Arch. (Urban Design), B. Arch.	Architecture and Urban Design.
12.	Gaurav Singh	Ph.D. (Ongoing), M.C.P., B.Arch.	Architecture and City Planning.
13.	Ramesh P. Bhole	M. Arch. (Conservation), B.Arch.	Architecture and Building Conservation.
14.	Dr. Devarshi Chaurasia	Ph.D., M.U.D.P., B. Arch.	Architecture, and Urban Planning with Emphasis on Transportation.
15.	Manjusha Misra	Ph.D. (Ongoing), M. Arch. (Urban Design), B. Arch.	Urban Design and Housing for Urban Poor and Tourism Planning.
16.	Dr. Sukanta Majumdar	Ph. D., M. Des., B. Arch.	Product Designing and Product Service System Designing.
17.	Sandeep Arora	Ph.D. (Ongoing), M.Arch., B.Arch.	Sustainable Architecture.
18.	Sanmarga Mitra	Ph.D. (Ongoing), M.C.P., B.Arch.	Transportation Planning, History of Architecture and Contemporary Architecture
19.	Parama Mitra	Ph.D. (Ongoing), M.C.P., B.Arch.	Environment Behaviour Studies, Safety in Built Environment and Urban Planning.
20.	Nayana R. Singh	Ph.D. (Ongoing), PGDCM, B.Arch.	Architecture, Construction Management.
21.	Dr. Ram Sateesh Pasupuleti	Ph.D., M.A. (Vernacular Architecture), B. Arch.	Vernacular Architecture and Disaster Management & Development.
22.	Shweta Saxena	Ph.D. (Ongoing), M.Arch., B.Arch.	Architecture and Energy & Environmental Design.
23.	Geeta Vishwakarma	M.Arch. (Urban Design), A.I.I.A.	Architecture and Urban Design.
24.	Sonal Tiwari	M.Arch. (Landscape), B. Arch.	Landscape Conservation, Ecology and Designing for Biodiversity
25.	Arvind Kumar Meel	M.B.E.M., B.Arch.	Architecture and Building Engineering & Management.
26.	Gayatri Nanda	Ph.D. (Ongoing), Master of Urban Design, B. Arch.	Architecture and Urban Design.
27.	Brishbhanlali Raghuvanshi	M. Arch., B. Arch.	Architecture.

28.	Karna Sengupta	Ph.D. (Ongoing), M.A. (Urban Design), B.Arch.	Architecture and Urban Design.
29.	Saurabh Tewari	Ph.D. (Ongoing), M.Des., B.Arch.	Basic Design, Visual Communication Design, History of Design and Architecture.
30.	Apurv Shrivastava	Ph.D. (Ongoing), P.G.D. in Advanced Construction Management, B.E. (Civil).	Advanced Construction Management.
31.	Shweta Vardia	M.Sc.(Structural Analysis of Historic Construction) B.Arch.	Architectural Conservation
32.	Sushil Kumar Solanki	M.B.E.M., B.Arch.	Architecture, Design and Construction Management.
33.	Ashish Patil	M.F.A., B.F.A.	Visual Art.
35.	Poonam Khan	B.Arch., M.Arch. (Architecture Education)	Architecture, Vernacular Architecture, Working Drawing & Architecture Education

### Department of Planning

	Name	Qualification	Area of specialization
<b>Professor</b>			
1.	Prof. (Dr.) Nikhil Ranjan Mandal	Ph.D., M.Planning (Urban Planning), B.Arch (Hons.)	Urban Planning, Participatory Planning, Housing and Cost Effective Construction Technologies
2.	Prof. (Dr.) Binayak Choudhury	Ph.D. (Regional Economics) MRP, M.A. (Economics)	Urban Governance and Regional Economics, Urban Finance, Quantitative Methods.
<b>Associate Professor</b>			
3.	Sheuli Mitra	Ph.D. (Ongoing), M.C.P., B. Arch.	Urban Infrastructure & Transport Facilities Planning and Real Estate Management.
<b>Assistant Professor</b>			
4.	Dr. Kshama Puntambekar	Ph.D., M. Tech. (Urban Planning), B. Arch.	Land Use & Travel Behaviour, Biodiversity
5.	Ashfaque Alam	M. Planning (Regional), M.A. (Geography)	Urban & Regional Planning, Small Towns, Regional Development and Governance
6.	Rama Umesh Pandey	Ph.D. (Ongoing), M.Plan., B.Arch.	Architecture and Environmental Planning.
7.	Arti Jaiswal	Ph.D. (Ongoing), M. Plan., B.Arch.	Housing & Real Estate Planning and Solid Waste Management.
8.	Govind M.P.	M. Plan. (Env. Planning), B.E. (Civil)	Environmental Planning and Urban Infrastructure Planning.
9.	Amit Chatterjee	Ph.D. (Ongoing), M. Plan.(Regional)	Urban & Regional planning and Metropolitan Planning & Development.
10.	Garima Srivastava	Ph.D. (Ongoing), M. Plan. (Env. Planning), B. Arch.	Natural Resource Management, Rural Planning and Environmental Planning.
11.	Paulose N.Kuriakose	M.U.R.P., M.Sc. (Geography)	Transport Planning, Regional Planning Urban Infrastructure Planning & Management and GIS.
12.	Bade Shomit Dilip	M.Plan. (Environmental Planning), B.Arch.	Architecture, Environmental Planning and Sustainable Development
13.	Premjeet Das Gupta	M.C.P., B.Arch.	Urban transport and Urban Governance
14.	Gaurav Vaidya	M.Plan. (Infrastructure Planning), B.E. (Civil)	Urban Planning & Development, Infrastructure Planning and Project Planning
15.	Dr. Kakoli Saha	Ph.D. M.Sc. (Geography)	Application of GIS & Remote Sensing in Planning and Quantitative Techniques in Planning



## Programmes offered at SPA, Bhopal

### Doctoral Programme

The Doctoral Programme at the school is conceived to encourage independent and interdisciplinary research that has relevance to the present needs of social, cultural and environmental sustenance. To keep pace with the expanding horizons of knowledge, the programme provides a research environment that has strong theoretical grounding and looks for application of knowledge to develop solutions that focus on issues relating to settlements and habitat.

### Master of Urban Design

Indian cities with uncontrolled and chaotic development, loss of coherence, character and decreasing quality of urban life, sadly lack the clarity and cohesion of urban form and structure. The masters programme at the school aims to address the urgent need for enhancing the lived experience of cities. The primary focus is on investigating the role of urban form in shaping our cities using innovative design approaches and theoretical research. It is a two year postgraduate programme leading to the degree of Master of Urban Design.

### Master of Landscape Architecture

The Master of Landscape Architecture programme at SPA Bhopal aims to educate the students for ultimate leadership in the landscape architecture profession. This mission requires the development and exercise of both intellect and sensibility. The Programme has the dual objectives of providing students with a core of design and technical skills in combination with experiences in pure and applied research. This duality prepares students for problem solving in the profession through design and research, and it is a programme focus. The Programme prepares the students to enter in private, public, academic, and research organizations. An interdisciplinary setting is provided to learn and think critically and creatively in addressing environmental issues so that the future landscape architects graduating from SPA Bhopal, shall certainly be versatile in the various aspects of practice typifying the profession, including environmental ethics, design development, project management at multiple scales, communication, emerging technologies, ethical conduct, as well as relevant areas of research.

The programme is of four semesters (two years) duration, leading to a degree of Master of Landscape Architecture.

### Master of Architecture (Conservation)

India is a country with rich natural and cultural heritage. The variation in heritage is due to geographical locations, Time Periods, Builders, Architectural Styles, different sizes and scales of cultural heritage, existing traditional knowledge systems, continuity in traditional practices, and different categories of built heritage ranging from Prehistoric, Historic and Archaeological Sites and different typologies from a building to large cultural

regions. Apart from the 3600 Centrally Protected Monuments, and 5000 State Protected Monuments, large numbers of monuments are protected by various religious bodies, organizations and owners. The requirement for a qualified conservation professional is more demanding as with technological advancements the society is drastically changing and it is important to understand the meaning of heritage in the present society.

The location of SPA Bhopal is in central India near two World Heritage Sites including a Cultural Landscape that provides a unique opportunity to use heritage as pedagogical resource. The Conservation programme is devised in training the students towards theory and philosophies in conservation, process and techniques necessary for maintenance and management of heritage, appropriate use of standards of practice. This training shall facilitate informed decision making and application of acquired skills and techniques.

### Bachelor of Architecture

(Five Year Degree Programme)

As part of the school charter and mission, the architecture department of the school is providing a vibrant design culture, ensuring that its graduates are not only valued by the architectural practice, but are also able to make a critical contribution to the future of the profession. The school has put efforts in the development of an open studio culture, in which students at all levels can learn from each other, how the innovative ideas are generated and developed as well as develop an in-depth practical knowledge through independent and original research.



## Master of Planning (Environmental Planning)

SPA, Bhopal announces introduction of a new Master of Planning Programme in Environmental Planning (MPEP) from the academic session 2013-14. Given the growing importance of environmental planning and the consequent demand for environmental planners, the course on MPEP is designed so as to equip the students with necessary knowledge and skills essential for comprehending an environmental problem, examining the correlated issues in order to generate agreeable and pragmatic solutions. The course shall endeavour to develop an understanding of various aspects of environmental planning and management by introducing an array of subjects, namely, environmental economics, environmental monitoring, environmental policies and legislation, environmental impact assessment, natural management, bio-diversity, climate changes, etc.

The curriculum, MPEP, is spread across four semesters with each semester having a studio exercise based on the theoretical inputs provided during the semester. The first semester shall aim at building foundation of planning where students would be introduced to the basics of planning for a human settlement. The program will be supported by well equipped GIS and Computer labs for carrying out spatial and non spatial analyses incorporated in the curriculum. In addition to the normal lecture sessions, students will be encouraged to join research projects, workshops, competitions and other knowledge

exchange programmes to enlarge their domain of experience and learning.

## Master of Planning (Urban and Regional Planning)

In India, growing needs of increasing population coupled with a very fast pace of urbanization is resulting in depletion of natural resources, stressful work conditions, polluted environment and changing social-structure. The two year postgraduate programme leading to the degree of Master of Planning (Urban and Regional Planning) at the school aims to produce professional planners who are equipped to assist communities, organizations and policymakers in addressing the present day problems of settlements and developing new ways of improving cities and regions.

## Bachelor of Planning (Four Year Degree Programme)

After the implementation of the 74<sup>th</sup> Constitution Amendment Act, 1992, which has empowered urban local bodies significantly to undertake developmental works, the need for qualified planners at all levels has increased significantly. The B. Plan. course is an endeavor to bridge this gap of planning professionals in the country. In a country where urbanization has been on a steady rise since independence, and escalated significantly in recent years; planning professionals need to be trained in handling the myriad problems which come along with urbanization.





# Doctoral Programme

## Programme

School of Planning and Architecture offers doctoral degree in Architecture & Planning. The broad objectives of the Ph.D. programme is not only to keep pace with the expanding horizons of knowledge but also to provide research and training that has a relevance to the present needs of the society in relation to social, cultural and environmental sustenance. The Ph.D. degree is awarded in recognition of the high academic achievements, independent research generation and application of knowledge to the solutions that focus on issues relating to settlement and habitat development.

The academic programme leading to the degree is broad based and involves a minimum course credit requirement and a research thesis. The school encourages research in interdisciplinary areas through a system of interdepartmental joint supervision. This provides excellent opportunities for interdisciplinary research. The presence of a strong research oriented faculty in the school provide excellent support for the doctoral programme.

## Eligibility

Minimum educational qualifications for admission to Ph.D. programme of SPA Bhopal in Architecture and Planning shall be:

- a. Master's Degree in Architecture/ Planning/ Technology/Design disciplines or equivalent degree with minimum 60% marks.
- b. B.Arch./B.Plan. Degree with minimum 60% marks, minimum five years of professional experience and at least one publication in Journal/ Conference proceedings.
- c. The admission eligibility requirements of minimum marks may be relaxed to 55% marks to the following categories:
  - i. SC/ST applicants.

- ii. Any category of Persons with Disabilities.
- iii. Academic staff of the School who has an experience of more than 5 years in addition to the qualifications specified in a & b above.

## Admission Procedure

- 1) Eligible candidates possessing the minimum qualifications and satisfying additional criteria set by the school will be called for an entrance test followed by an interview by the Selection Committee appointed by the Chairman, Academic Council.
- 2) Based on the academic record and the performance of the candidates in the test and interview, the names of the candidates found suitable for admission to the Ph.D. programme will be finalized.

## Course Work

The Doctoral Research Committee within one month of Ph.D. admissions shall consider the proposed research topic, and recommend and approve the coursework for the scholar.

- 1) The Doctoral Research Committee will normally prescribe theory and studio elective courses at least one and not more than three to the candidates with M. Arch. degree, and at least four and not more than five to the candidates with B. Arch. Degree, depending upon the area of research. The prescribed courses shall be post-graduate level courses of the school. The minimum residency period shall be twelve (12) months offer the date of remonstrations or completion of course work, which ever is later.
- 2) In case of specific research cases, for electives, the student would be given an opportunity to develop self study courses for one third of the total compulsory credits. The self study courses would be developed by students in supervision of guides and would be permitted by the Doctoral Research Committee & the



Academic Council Regular examinations will be conducted by the school for these self study courses.

- 3) All research scholars will be required to undertake the compulsory course of research methods and make two seminar presentations on the topics approved by the Doctoral Research Committee as part of their coursework.

## Research Work

- 1) After finalization of Thesis Guide(s), the research scholar, with the consent of his/her thesis guide(s) will be advised to finalize the Research Topic as early as possible but before the end of fourth semester of studies.
- 2) Once the research scholar finalizes the topic, he/she will present the research topic in a seminar before the Doctoral Committee. The Academic Council will, if it approves the research topic, permit the research scholar to proceed with the research work on the selected topic.

## Application Procedure

- 1) Application forms along with information brochure are available on cash payment of ₹ 100/-(One Hundred only). The application forms can be

downloaded from the website of School of Planning and Architecture, Bhopal ([www.spabhupal.ac.in](http://www.spabhupal.ac.in)). Completed application forms should be accompanied by a demand draft of ₹ 1000/- (One Thousand only) drawn on a Nationalized Bank in favor of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/-(Five Hundred only).

- 2) The selected candidates will be admitted to the Ph.D. programme after payment of prescribed fees.
- 3) Provisional Admission: Candidates waiting for their final results may be admitted provisionally. Such candidates will have to produce their original mark sheets as proof of qualification within sixty days of their admission in SPA, Bhopal, failing which their admissions will be summarily cancelled. Request for refunds in such cases will not be entertained.

## Doctoral Fellowship

The School has provision for Doctoral Fellowship for full time candidates

- To be considered for the fellowship an applicant should have a valid GATE Score or Govt./Non-Govt. Fellowship/Scholarship.

## Research Scholars : Topics / Research Area

1. Assessing the role and contribution of 'Development Plans' in developing the towns of Madhya Pradesh
2. Development of a framework for identification and prioritization of parameters for context-specific slum interventions in Indian context
3. Rethinking architectural design to create inclusive, enabling environments in the urban residential neighbourhoods for the Indian elderly
4. A critical enquiry towards development and safeguarding the future of historic urban landscapes of India
5. Identification of key principles and influence factors for assessing environmental sustainability in large-scale township projects in India
6. Impact of spatio functional determinants of small towns on the development of region
7. Developing a framework for estimating water demand at household level in million plus Indian cities
8. Assessing effectiveness of low carbon actions at city level: A bottom up modeling approach
9. Framework for assessment of spatial environmental vulnerability with a special reference to the quality of life indicators
10. Exploring interaction between campus and city
11. Development of combinatorial matrix for discerning Indian urbanism by defining variables and constants in Actor-Network Theory in Indian context
12. Post independence design history of India and design futures
13. Measuring the performance of urban green spaces in Residential area
14. Transformations in built form fabric of cities
15. Working with leftover: spaces, material, people
16. Teaching Sustainability : Hands-on learning through design-build studios
17. Temporal transformations in the built fabric created by festivals and its effect
18. Planned evolution of vernacular architecture to meet contemporary needs – Investigating the large scale adaption of Laurie Baker's architecture for housing the urban poor
19. Theoretical evaluation and empirical investigation of affordable housing and policy framework for affordable housing in all sectors of India
20. Assessment of travel demand, traffic forecasting and evaluation of public transport system of Bhopal in light of demand-supply and other benchmarking parameters
21. Modern interpretations integrated in Indian architecture
22. Disaster risk management and cultural heritage site  
Managing a project early on: Project management inputs in architectural design



## Programme

Cities are one of the best inventions by humankind. Defined as economic engines, human agglomerations, and the fields of intense energy, cities are habitat for all kinds of culture. The joy of life in city is one of the strong forces to attract population towards urban areas. Like living organisms, cities also originate, grow and expand; this process of life of the city is critical for us to understand. The urban design programme at SPA Bhopal aims to imbibe knowledge to the students to invent newer approaches to the issues of urbanity in Indian and Asian cities through the process of collaboration and amalgamation between the disciplines of architecture and planning. Urban Design at SPA Bhopal will initiate new theoretical as well as practical ways of dealing with cities posed with challenges from the forces of the contemporary world.

Urban Design Programme at School of Planning and Architecture, Bhopal is a four-semester course of two years duration and leading to a degree of Master of in Urban Design. Each semester consists of wide range of theory and studio subjects ranging from history, sociology, ecology and legislation, sequentially increasing in their complexity to make students well versed with urban design issues and approaches of universal values. Urban design programme at SPA Bhopal will explore ways to design, create and sustain the rich and productive urban environments.

## Academic Focus

Urban Design at SPA, Bhopal will focus on finding new dimensions of urbanity based on theory and praxis relevant in today's context.

- 1) School of Planning and Architecture at Bhopal aims to sequentially expose the students to the complexity of urban environments to understand-analyze-synthesize and then contextually intervene in an urban structure.
- 2) Urban Design at SPA Bhopal also aims to make the students acquainted with various tools of urban design to intervene in rich and complex urban fabric of India and to encourage participatory approach and inclusive design encompassing all stakeholders of the city.
- 3) Being located in Bhopal, SPA intends to focus on important issues of city of Bhopal and its surrounding areas and thus providing a platform for various authorities, local bodies and other organizations to discuss the future of the city.
- 4) School intends to encourage dialectic method

of dialogue to achieve a more global approach to urban design including the diversities and possibilities, any culture offers to make urban design rich in experience. Students will be free to decide the method and insight of design.

- 5) SPA Bhopal intends to imbibe the skills in students to critically analyze the surrounding environment based on theoretical and intuitive knowledge gained through personal experience of reading urban and corresponding social-economic-political systems.
- 6) School intends to develop a strong database to form a hub of information relating to Indian cities. School will also start consultancy services in the field of urban design and systems.

## Structure of the Programme

Urban design course at SPA Bhopal aims to create a holistic approach towards analyzing and designing complex urban environments with critical importance to the context of the place by sequentially exposing the students to the hierarchy of subjects encompassing history, sociology, economics, ecology, politics and design.

The first semester in the course introduces the realm of urban environment and components of its complexities through design studio and urban design methodologies wherein the focus lies on techniques of documentation, analysis and representation. History of urbanity is an important area to be explored in order to understand the various movements and schools of thought which shaped our urban surrounding. The other major thrust is on site planning and systems studio to grasp better understanding of multiple factors influencing the design process at both urban and site level.

The second semester further increases the thrust on dealing with issues of urban design at city level in the Networks





and Systems Studio by conducting the actual case study of a city. These studies are reinforced by the parallel theoretical inputs through the subject of Theory of City form. This semester also introduces the planning aspects of urban design through transport planning and planning theory to understand urban design as a bridge between the disciplines of planning and architecture. Administrative and legal aspects of urban design will further strengthen the legislative and practical angle of urban systems. Short duration practical training during the summer will make student acquaint with the office practices in organizations imparting consultancy in urban design.

Design studio in third semester stresses on more complex issues of city through the aspects of conservation, renewal and extension with simultaneous inputs from the theory subjects of Urban Conservation and Advanced Theory of City Form. The subject of Sustainable Development introduces the critical components of balanced development in urban context. The Housing subject in this semester concurrently introduces the dynamics of housing policies and design in Indian context.

A common pool of electives is being introduced in the third semester of the course. It will be a group of subjects pooled in from all Post Graduate Programmes running in the institute. Students will have a choice of picking one elective from this pool. This shall give the students a choice to take a subject of his or her interest from a different discipline. This is in addition to the electives available in other semester within the Urban Design programme.

Pre-Thesis seminar is introduced in the third semester, so as to enable the students build up their ideas towards finalization of the thesis topic, either by research or design, and to carry the same in to the fourth semester.

The fourth and the culminating semester requires Students to continue their thesis work on the topic finalized in the previous semester. Students are required to undertake the research or design based inquiry into the urban domain ranging from theory to practice and develop an opinioned thesis to showcase the understanding in a comprehensive



way. Two related subjects are also taught in this semester.

In addition to above mentioned subjects, Urban Design at SPA Bhopal will also conduct joint studios, workshops, conferences to create environment for interactions and debates with discussions on national and international level Urban Design Projects.

## Eligibility

B.Arch., B.Plan. (with minimum one year of experience) with 55% marks in aggregate.

## Fellowship

1. All candidates with valid GATE/NET score will be eligible for Fellowship as per G.O.I. norms.
2. Candidates without GATE/NET score will be eligible to apply for Institute Fellowship/ Research assistantship available from time to time.

Number of seats : 20

## Application Procedure

Application forms along with information brochure are available on cash payment of ₹100/- (One Hundred only). The application forms can be downloaded from the website of School of Planning and Architecture, Bhopal ([www.spabhupal.ac.in](http://www.spabhupal.ac.in)). Completed application forms should be accompanied by a demand draft of ₹1000/- (One Thousand only) drawn on a Nationalized Bank in favor of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/- (Five Hundred only).

## Admission Procedure

After the scrutiny of forms submitted by candidates, based on the fulfilling of compliances mentioned in the application procedure, they will be called for interview at SPA Bhopal. The prospective students will have to undergo a written test followed by an interview in the end.





# Master of Landscape Architecture

## Programme

The demand for specialization in Landscape Architecture is ever rising in both the urban and the rural sectors. Bhopal, with a great history of integration of landscape design into urban fabric, is an ideal place for studying in the above Post graduate programme. This course is the only one in Central India.

This programme shall offer students an interdisciplinary setting to learn and think critically, creatively, to be able to address environmental issues. The future landscape architects, graduated from our institute, shall be versatile in the various aspects of practice, strengthened with an environmental ethic, design development, project management at multiple scales, communication, emerging technologies, ethical conduct, as well as relevant areas of research.

The expertise of landscape architecture is highly sought after in the planning and development of new residential and commercial areas and to meet the needs of a growing population. At the same time, the forests need to be protected from the negative impacts of the urban development and spread. With land costs rising, and the public desiring livable cities and more beautiful spaces, the importance of good site planning and landscape design is ever growing.

The mission of the Master of Landscape Architecture is to educate for ultimate leadership in the profession of landscape architecture. This mission requires the development and exercise of both intellect and the sensibility.

## Academic Focus

The Programme has the dual objectives of providing

students with a core of design and technical skills in combination with experiences in pure and applied research. This duality prepares students for problem solving in the profession through design and research, and it is a programme focus. Student preparation is enhanced by specialized course work taken inside and outside of landscape architecture and by the topic of one's thesis.

The programme focus shall be on environment sensitive landscape designs, to manage both the storm water run-off and water resources, integration of new structures with the natural environment in the least disruptive way, preservation and restoration of wetlands and other environmentally sensitive sites. Special focus shall be on the historic preservation, land reclamation, and refurbishment of existing sites, eg. Industrial and mining sites.

## Course Structure

The course has been designed in four semesters of equal durations and credits, spread in a total of two years.

## Theory

The core subjects like Landscape Technology, History and Theory of Landscape Architecture, Water Management, run through two to three semesters. These are designed to assist the Landscape Studio through building up a strong scientific, technological, theoretical and historical base. The first semester has a subject devoted to climatology and the Third Semester has subjects to develop understanding of land economics and research methods. This semester is also designed to form the prelude to the independent Thesis. The fourth semester equips the student for the profession with the subject of Professional Practice.



## Training

Professional Training under a Landscape Architect or as a Research Associate with a Landscape faculty is a necessary component of the course. This equips the student with the practical aspects/ research base, offering the required exposure to the realm of the profession and research, before the Thesis is taken up.

## Flexibility ( through Electives)

The course is designed with flexibility for the student to pursue the area of his/ her interest. The second semester offers an array of specialized landscapes to choose from, the third semester offers a common pool elective wherein the student can opt for an elective outside the department, promoting the interdisciplinary approach. The fourth semester offers electives with focus on conservation of energy and historicity.

## Studios

Environment & Management studios: These studios focus on Plants, Ecology, Site planning, Development processes, Water resource as the most valuable and vulnerable asset, Planting design, Environmental Impact Assessment and a Seminar in landscape Appreciation.

Landscape Studios: These are designed as the Core studios of Landscape design, which run through the entire program with increasing complexities, wherein the student makes an application of all the above modules, culminating in an independent Thesis.

## Eligibility

B.Arch., B.Plan. (with minimum one year of experience) with 55% marks in aggregate.



## Fellowship

1. All candidates with valid GATE/NET score will be eligible for Fellowship as per G.O.I. norms.
2. Candidates without GATE/NET score will be eligible to apply for Institute Fellowship/ Research assistantship available from time to time.

Number of seats : 20

## Application Procedure

Application forms along with information brochure are available on cash payment of ₹ 100/- (One Hundred only). The application forms can be downloaded from the website of School of Planning and Architecture, Bhopal ([www.spabhopal.ac.in](http://www.spabhopal.ac.in)). Completed application forms should be accompanied by a demand draft of ₹ 1000/- (One Thousand only) drawn on a Nationalized Bank in favour of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/- (Five Hundred only).

The students called to appear for an interview should bring with them a Portfolio of works that would reflect the applicants' professional and/or academic experiences and interests. Portfolios shall be assessed according to proficiency in design, presentation and layout, technical skills, and content, similar to criteria used in design studios. Three letters of recommendation are required, and it is suggested that at least two of the letters come from former educators or academic contact.





## Master of Architecture (Conservation)

### Introduction

India is a country with rich natural and cultural heritage. The variation in heritage is due to geographical locations, time periods, builders, architectural styles, different sizes and scales of cultural heritage, existing traditional knowledge systems, continuity in traditional practices, and different categories of built heritage ranging from prehistoric, historic and archaeological sites and different typologies from a building to large cultural regions. Today in our country there are around 3600 Centrally Protected Monuments, around 5000 State Protected Monuments, large number of living monuments protected by various religious bodies and a huge amount of built heritage under the ownership of private organizations/ owners. Hence the need of Conservation Architect is felt by all stakeholders. Today not more than 200 qualified conservation architects are practicing in India, making it a profession in demand. The requirement for a qualified conservation professional is more challenging as with technological advancements the society is drastically changing and it is important to understand the meaning of heritage in the present society.

The heritage is also vulnerable due to threats like rapid urban growth, industrial and intensive agricultural activities, growing land prices, encroachments, etc.

The location of SPA Bhopal in central India near two world heritage sites including a cultural landscape that provides the institute a unique opportunity to use this heritage as a pedagogical resource. Drawing from the cultural context of central India and myriad of diverse communities, we are inspired to launch a Post Graduate Programme in Conservation.

Conservation Practice requires a professional with skills towards interpretation of heritage values; maintenance and management of heritage; process and knowledge of construction and building; and knows how to use technological advancements and expertise. Hence the Conservation programme is devised in training the students towards theory and philosophies in conservation, process and techniques necessary for maintenance and management of heritage, appropriate use of standards of practice. This training shall facilitate informed decision making and application of acquired skills and techniques.



## Academic Focus

The programme shall fulfill the objectives of the charter of SPA Bhopal towards imparting quality education inclusive of environmental, social and cultural sustenance. It shall build a Comprehensive Database of India through research and documentation. The Conservation programme aims at developing appropriate management and technical skills for Conservation Practice. Thus the trained professionals shall provide leadership in Conservation Profession.

## The Programme

The two year Masters Programme in Conservation is designed to impart skills and knowledge and train students in a multidisciplinary and integrated approach of historic conservation. The programme is divided into five modules namely:

The Programme is a two year programme organized in four semesters with practical training in summer vacations for not less than eight weeks.

## Aspiration

SPA Bhopal aspires to create conservation professionals sensitized about the significance of heritage, having



understanding of the role of scientific disciplines and appropriate skills & techniques for conservation practice.

## Eligibility

B.Arch., B.Plan. (with minimum one year of experience) with 55% marks in aggregate.

## Fellowship

1. All candidates with valid GATE/NET score will be eligible for Fellowship as per G.O.I. norms.
2. Candidates without GATE/NET score will be eligible to apply for Institute Fellowship/ Research assistantship available from time to time.

Number of seats: 15

## Application Procedure

Application forms along with information brochure are available on cash payment of ₹ 100/- (One Hundred only). The application forms can be downloaded from the website of School of Planning and Architecture, Bhopal ([www.spabhopal.ac.in](http://www.spabhopal.ac.in)). Completed application forms should be accompanied by a demand draft of ₹ 1000/- (One Thousand only) drawn on a Nationalized Bank in favour of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/- (Five Hundred only).

## Admission Procedure

After the scrutiny of forms submitted by candidates, based on the fulfilling of compliances mentioned in the application procedure, they will be called for a personal interview at SPA Bhopal. Students are required to present a portfolio which shall demonstrate their aptitude and experience towards Conservation and three letters of recommendation.





# Master of Planning (Urban and Regional Planning)

## Introduction

Master of Planning in Urban and Regional Planning is being offered by the Department of Planning as a two year post graduate programme since 2010.

In India, growing needs of increasing population, coupled with a very fast pace of urbanization, is resulting in depletion of natural resources, polluted environments, stressed economic conditions and fragmented social structure.

The rate of urbanization has increased manifold in recent years. It has been perceived that the urban problems, which have grown in recent years having direct correlation to the surrounding rural hinterland, cannot be handled in isolation. Issues related to urbanization thus need to be addressed holistically in the perspective of the region around. A study of resources and infrastructure of the region to provide a blueprint of balanced environmental and settlement system development is thus a priority in all institutes of planning.

## Academic Focus

This course aims to produce professional planners who are equipped to rise to the challenges posed today and assist communities, organizations and policymakers in addressing the present day problems of settlements and evolve new strategies for improving the quality of life in cities and regions. The students will be trained to address contemporary and emerging issues of cities and regions, through planning exercises set in varied geographical and socio-cultural locations. Emphasis of this programme is on acquiring practical skills for spatial planning through studio and lab exercises. At the Post Graduate level of education, learning is not restricted to the academic

curriculum alone. Students are encouraged to participate in workshops, conferences and seminars and develop their capabilities as a professional, both through enhancing their professional knowledge as well as through development of personality. The programme through the design and delivery of its curriculum endeavours to develop students as robust individuals capable of contributing meaningfully to the planning profession.

## Course Structure

The curriculum is designed in a semester format comprising of four semesters spread over the duration of two years with studio projects being at the core of each semester and theoretical subjects plugged in, providing the underlying backbone of knowledge. Use of state of the art computer applications for GIS and other spatial and non spatial analyses is a forte of the School and finds extensive application in the core studio projects integrated in the curriculum.

The first semester of the course referred to as the 'Integrated Semester' is common across all specializations under Master of Planning in which the students will be taught basic foundational subjects to enhance their analytical understanding of planning. Students will also be introduced to planning history, theories and thought besides the tools and techniques of planning. Students from diverse backgrounds shall be brought to a common platform of understanding and shall be facilitated to get an opportunity to learn the fundamentals across disciplines.

The Second and Third semesters will deal with core subjects of Urban and Regional Planning. The main focus in these semesters will be on studio exercises and intensive theoretical knowledge on core subjects to complement and supplement the studios. Studio problems would address



issues of regional and urban planning in consecutive semesters respectively. Dialogue with government departments related with planning of cities and regions is arranged during studio exercises to establish a meaningful process and to generate a purposeful product.

The curriculum would also offer a wide range of elective subjects including common pool electives (designed for all specialisations under Master of Planning) in the higher semesters to encourage students to develop interests in diverse areas of specialisation within the broad realm of urban and regional planning.

The subject 'Thesis Programming' incorporated in third semester will orient the students towards finalizing their research work of final semester. Students will take up an urban or regional planning topic in the final semester for their thesis work having spatial implications on the natural and built environment. Topics of research could be across a wide range covering many contemporary issues such as environment, industry and economy, city sprawl and real estate dynamics, tourism, urban infrastructure systems management, to name a few.

## Aspiration

SPA Bhopal aspires to create professionals who are sensitized about the various facets of planning for human settlements and who have the required analytical skills needed for performing the assigned task related to planning and implementation.

## Eligibility

Minimum 55% marks in aggregate in B. Arch. / B. Plan. OR B. E. / B. Tech. in Civil Engineering OR M.Sc. / M.A. in (Geography/Economics / Sociology)

## Fellowship

1. All candidates with valid GATE/NET score will be eligible for Fellowship as per G.O.I. norms.

2. Candidates without GATE/NET score will be eligible to apply for Institute Fellowship/ Research assistantship available from time to time.

Number of Seats : 20

## Application Procedure

Application forms along with information brochure are available on cash payment of ₹ 100/- (One Hundred only). The application forms can be downloaded from the website of School of Planning and Architecture, Bhopal (<http://www.spabhopal.ac.in>). Completed application forms should be accompanied by a demand draft of ₹ 1000/- (One Thousand only) drawn on a Nationalized Bank in favour of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/- (Five Hundred only).

## Admission Procedure

After the scrutiny of forms based on fulfilling of compliances mentioned in the application procedure, candidates will be called for a personal interview at SPA Bhopal. Students are required to bring three letters of recommendation and present a portfolio / document that demonstrate their aptitude and experience towards Urbana and Regional Planning.





# Master of Planning (Environmental Planning)

## Introduction

The threat to environment is one of the foremost global concerns of our times. The pace of growth witnessed in the past few decades has caused a collateral damage to our environment. Ultimately, the survival of not only human beings but that of the other living species would depend on having a hospitable environment. The situation is getting worse day-by-day and governments across the globe are engaged in addressing issues which have a bearing on our environment. Environmental problems are persisting because of poor planning and management of environment. It is to be noted that in our bid to provide better quality of life to human race, we have recklessly exploited natural resources. The damage to environment is being seen in the form of problems like: global warming, climate change, depletion in water table, emergence of drug resistant pathogens, etc. Primarily, increasing urbanization and industrialization are the main causes of environmental degradation. Developmental activities for human race cannot be decoupled from the need for better environmental planning and management. Therefore, development without threatening the environment is the global agenda these days. This approach requires well qualified professionals who can plan and manage not only upcoming development projects in an environment friendly way but can also shape existing built environment for better quality of life.

## Academic Focus

The proposed programme focuses on understanding the interrelationship between the ecological, social and economic aspects of environment to ensure environmental conservation. Environment, being a multidisciplinary subject, draws upon the physical, social, biological, cultural, economic and legal issues. In this programme, students will learn as to how all these issues interact and how problems can arise because of differing perspectives, needs and biophysical limitations. Given the growing importance of environmental planning and the consequent demand for environmental planners, the course on Master of Planning in Environmental Planning (MPEP) is designed so as to equip the students with necessary knowledge and skills essential for comprehending an environmental problem, examining the correlated issues in order to generate agreeable and pragmatic solutions.

## Course Structure

The curriculum is designed in a semester format comprising of four semesters spread over the duration of two years with studio projects being at the core of each semester and theoretical subjects plugged in, providing the underlying backbone of knowledge. The course contents

of this programme would enable the students to understand the intricacies of various environmental issues and appraise current and future concerns.

The first semester of the course referred to as the 'Integrated Semester' is common across all specializations under Master of Planning in which the students will be taught basic foundational subjects to enhance their analytical understanding of planning. Second and Third semesters will deal with core subjects of Environmental Planning. The main focus in these semesters will be on studio exercises and intensive theoretical knowledge of core environmental planning through subjects like environmental policies and legislations, environmental economics, environmental monitoring and impact assessment, waste management, natural resource management and disaster management. While learning the aforesaid subjects with extensive application of geoinformatics, the students would be able to appreciate the issues objectively. Several electives, some being under common pool (designed for all specialisations under Master of Planning) would be offered in the third and fourth semester pertaining to specialised areas of environment planning, namely, - green infrastructure, energy accounting and audit, urban forestry and landscape, etc. The fundamentals of mapping, surveying, scaling, indexing will be imparted in first semester studio and the thrust of the studio in second and third semester would be respectively on regional issues and sectoral aspects. The studio exercises, through live studies, would focus on acquainting the students with various facets of impact assessment and management plans. This would also involve measurement of various pollution levels through lab exercises.

The subject 'Thesis Programming' incorporated in third semester will orient the students towards finalizing their research work of final semester. Students will take up an environmental planning topic for their thesis work in final semester. The final Semester also has a subject of General Proficiency which tries to evaluate the student's involvement in activities beyond the core curriculum. At the post graduate level of education, learning is not restricted to the academic curriculum alone. The students will have to move beyond academics and actively engage themselves into various other activities so that they evolve as mature and confident professionals.

## Aspiration

SPA Bhopal aspires to create environmental professionals who are sensitized about the various facets of environment and who have the required analytical skills needed for performing the assigned task related to environmental planning and management.



## Eligibility

Minimum 55% marks in aggregate in B. Arch. / B. Plan.  
OR B. E. / B. Tech. in Civil Engineering OR M.Sc. / M.A.  
in (Geography/ Economics / Sociology)

## Fellowship

1. All candidates with valid GATE/NET score will be eligible for Fellowship as per G.O.I. norms.
2. Candidates without GATE/NET score will be eligible to apply for Institute Fellowship/ Research assistantship available from time to time.

Number of Seats : 20

## Application Procedure

Application forms along with information brochure are available on cash payment of ₹ 100/- (One Hundred only).

The application forms can be downloaded from the website of School of Planning and Architecture, Bhopal (<http://www.spabhopal.ac.in>). Completed application forms should be accompanied by a demand draft of ₹ 1000/- (One Thousand only) drawn on a Nationalized Bank in favour of Director, SPA Bhopal, payable at Bhopal. The scheduled caste, scheduled tribe and physically handicapped candidates are required to send a demand draft of ₹ 500/- (Five Hundred only).

## Admission Procedure

After the scrutiny of forms based on fulfilling of compliances mentioned in the application procedure, candidates will be called for a personal interview at SPA Bhopal. Students are required to bring three letters of recommendation and present a portfolio / document that demonstrate their aptitude and experience towards Environmental Planning and Management.





## Programme

As part of the school's charter and mission, the department of Architecture of the School is providing a vibrant design culture, ensuring its graduates are not only valued by the architectural practice, but are also able to make critical contribution to the future of the profession. The school has put efforts in the development of open studio culture, in which students at all levels can learn from each other, how innovative ideas are generated and developed as well as developing an in-depth practical knowledge through independent and original research.

The study of architecture and planning is all-encompassing that involves broader and deeper understanding about the people and the physical and cultural contexts of places within which we all live. It requires innovative thinking and rethinking, technical and practical knowhow and encourages in-depth study of the arts, history and the culture. They are also made aware of how the role of an architect interacts with role of others in order to create a good building design for better and safe environments.

The Course at bachelor's level is integrated within studio-based design projects along with theoretical knowledge,

abilities and skills generated by lectures in technical studies, cultural context along with an extensive practical knowledge imparted through site visits and case studies. Design projects, which require development of both manual and computer generated presentation skills, are taught in small groups, enhancing close interaction throughout the course. This work forms the basis of the design portfolio which, eventually, signifies the achievement when applying for postgraduate courses or employment.

## Course Structure for B.Arch. Programme

In the first year, the students work on basic projects which develop their two and three-dimensional visual perception and improve their graphical understanding, such as drawing, computing and model-making. The students are introduced to the fundamentals of mathematical application, mechanism of structures, building materials and construction and climatology.

In the second and the third years, advanced projects are undertaken in the context of individual design units while working towards common student-centered teaching objectives. The course models in key subjects such as History of Architecture, Theory of Settlements,



Structures, Building Technology and Services, that include Water Supply and Sanitation, Electrical and Acoustics to provide a wider understanding of the built environments. Apart from these subjects, Estimation and Costing, Computer Aided Design, Working Drawing and Visual and Written Skills are also introduced.

Even more advanced and critical design projects are undertaken in the first semester of the 4<sup>th</sup> year. Similarly, more advanced issues are taught in the Building Materials and Construction and Theory of Structures. Similarly training also enhances the student's ability to develop the communication skills. At this level, student are introduced to variety of subjects including Urban and Regional Planning, Landscape Architecture, Project Management and Behavioral Psychology, through which they can get awareness on how they would like to develop their career in a particular area of interest in the coming future.

In the second semester of 4<sup>th</sup> year, student have to take professional training under a practicing architect registered with the Council of Architecture. During their professional training, students learn about the practical issues; how they should deal with all kinds of possibilities and constraints involved in the architectural practice. They also become familiar with the market resources and client

management.

During the 5<sup>th</sup> year of the course, advancements in the design module is undertaken along with the Advanced Building Technology, Advanced Structures, Ecology and Environment and advanced exercises in Seminar. In this semester, the students have an option to choose some elective subjects of their preference, on which he or she can choose to build their career further.

The last semester of the course is mainly directed towards the development of Design Thesis. Based on the previous knowledge gained through all the inputs from theory and practice, students work on specific issues of their interest and develop a design thesis. Along with the design thesis, subjects such as Professional Practice, Valuation and Arbitration and Seminar are undertaken simultaneously.

Number of seats : 75

## Admission Requirements and Procedure

The admission to B.Arch. / B.Plan Program 2013 will be made on the basis of Joint Entrance Examination JEE (Main) - 2013 and rules and regulation laid down by the Central Board of Secondary Education for the admissions.





# Bachelor of Planning

## Programme

The Bachelor of Planning course at SPA, Bhopal is one of the few courses in our country, imparting planning education at the undergraduate level. After the implementation of the 74<sup>th</sup> Constitution Amendment Act 1992, which has empowered urban local bodies significantly to undertake developmental works, the need for qualified planners has increased significantly. The B. Plan. course is an endeavor to bridge this gap of demand and supply of planning professional in the country. In a country where urbanization has been on a steady rise since independence, and escalated significantly in recent years, planning professionals need to be trained in handling the myriad problems which come along with urbanization-issues of migration, infrastructure deficit, environmental concerns are but a few.

## Academic Focus

The B. Plan course equips students with the essential skills, knowledge base and attitude required to enter into a profession which combines analytical skills along with a strong understanding of socio-cultural and economic context. This blend of the social sciences, economics and technical knowledge of various planning specializations (transportation, environment, legislation and policies, infrastructure, etc.) is imparted over a period of four years building up the foundation of planning professionals.

## Course Structure

The B. Plan. course comprises of minimum duration of 4 academic years consisting of 8 semesters. The course inculcates essential skills of data analysis, graphic presentation, report writing and technical drawing along with knowledge of basic subjects in the initial years. As the course progresses, in higher semester, the students are exposed to specialized areas of planning along with development of advanced skills. Use of state of the art technology and application (for instance GIS) are taught at the higher levels and applied in planning studio projects. The curriculum is structured around a core planning studio in every semester which has a specific thrust starting from the basics of layout plans and gradually handling more complex planning aspects (transportation, special area planning, master planning, etc.) in order to prepare the students to address a wide range of contemporary issues in planning. The higher semesters consist of a range of electives from which the student can choose areas of interest and specialization. The course is thus structured into three main thrust areas: the planning studio, core subjects and electives. In addition to the academic inputs, the students get industry inputs through summer training which is undertaken twice in the course of four years, once after completion of fourth semester and once after the sixth semester.

In the first year, the student is trained in the fundamentals



of Urban and Regional Planning, Surveying, Economics, Statistical and Quantitative Methods in Planning, Computer Applications and Technical Report Writing. In Addition, Building Structures, Materials and Principles of Construction, Estimation and Introduction to Art and Culture and Basic Architectural Design are also taught. The planning studio in the first year is focused on training in graphical and presentation techniques and developing methods of data organization and presentation.

In the second year, the emphasis of the two semesters planning studio is on neighborhood and site planning techniques and transportation planning. Along with the basic subjects of planning theory and techniques of planning the student is introduced to fields of settlement geography and sociology. In additions the students gradually learn more advanced subjects of Planning Practice, Transportation Planning, Housing and Ecology and Environment. Simultaneously skill imparting continues with hands-on training on CAD Application in Planning. The student undergoes the first summer training after completion of the second year and essentially works with various government planning departments to get an exposure of the system of planning in the country.

In third year, after completion of two year of formal education and one exposure to summer training, the student is ready for more advanced inputs. The planning studios at this level deal with area planning and urban planning respectively in the two semesters. The core subjects taught at this level reinforce the thrust area of the studios of urban planning and include Real Estate Planning, Utilities and Services Planning, Landscape Planning and Urban Design, Sustainable Urban Development, Urban Management, Planning Management of Informal Sector and Urban Conservation. The skill development continues at advanced levels with students being provided adequate training on the application of GIS and geoinformatics in planning. The student undergoes the second period of summer

training after completion of the third year and is encouraged to work with planning consultants of various specializations.

The final year consists of mix of core subjects and electives supporting the planning studios. The thrust of the seventh semester studio is regional planning while the eighth semester provides the student with the opportunity of working on a thesis of his/her own choice. The core subjects include Urban Governance, Finance and Management along with Professional Practice. The electives cover a wide range of contemporary issues including Infrastructure Development Planning, Rural Development and Management, PPP in Urban Environmental Sciences, International Finance, Infrastructure Finance, Environmental Impact Assessment. They also include subjects on Planning for Small and Medium Towns, Planning for Global Cities and Planning for Special Areas.

Number of seats : 30

### Admission Requirements and procedure

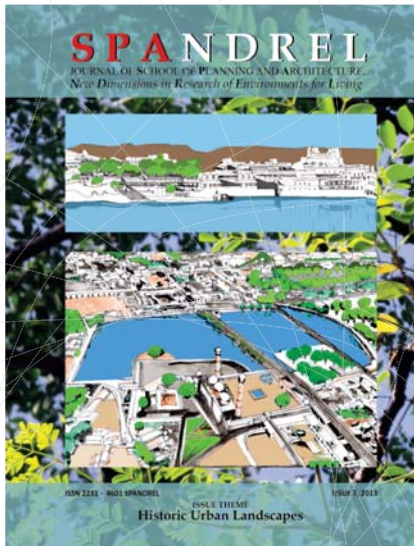
The admission to B.Arch. / B.Plan Program 2013 will be made on the basis of Joint Entrance Examination JEE (Main) - 2013 and rules and regulation laid down by the Central Board of Secondary Education for the admissions.





# SPANDREL

JOURNAL OF SCHOOL OF PLANNING AND ARCHITECTURE  
*NEW DIMENSIONS in RESEARCH of ENVIRONMENTS for LIVING*



Issue Editor : Prof. Savita Raje

SPANDREL (issue-7) 2013 was released on 31st January 2014 by Professor Edgar F Ribeiro, Chairman, Board of Governors, School of Planning and Architecture, Bhopal, at the transit campus of the institute.

This issue focuses on the theme of Historic Urban Landscapes (HUL), which is extremely relevant today, with the rising : pressures of urbanization and effects of facelessness of cities. Historic Urban Landscapes is an initiative of UNESCO towards addressing the issues of managing change in the historic cities so as to, "maintain and restore the spirit and character of cities understood in relation to the sense of identity and collective memory embodied in the structural permanencies."

To address the multifaceted dimensions of the theme, this issue presents an array of 15 articles from scholars and researchers from USA, Italy, Netherlands, France and India, including an invited article on legalized mapping of heritage from the renowned Prof. Edgar F. Ribeiro, two studies- one an Indo-French joint study of Udaipur and the other a students' perspective of Wai in Maharashtra, a historical commentary on the Peshwe Parvati precinct at Pune and the book review of "Historic Urban Landscapes: managing heritage in an urban century". The articles have been carefully selected out of the 40 received from all over the world.

The 7th issue of SPANDREL includes a wide spectrum of the issues related with Historic Urban Landscapes from the various parts of world, like, the methods for reclamation of the losing heritage due to pilgrimage and tourism at Orchha; the toolkit developed in Italy towards the interpretation of the complex systems of Historic Urban Landscapes to assist in the design of HULs; assessment of the heritage policies in practice at Edinburgh with respect to the first step of UNESCO's recommendations on HUL; the necessity to approach the heritage by seeing it through its belonging to the present-day life; relocating the common man in the bazaars of Shahjehanabad in Delhi, the coexistence of the historical patches with the present day development and their changing functions; 'Burhanpur Cultural Landscape' and the integrative framework for its interpretation; the impact of pollution and climate change on the quality and context of the Historic Urban landscape of River Ganges at the ancient city of Varanasi; the gender perspectives of the urban landscapes and a debate on the western European frameworks of urban heritage in the context of Islamic cities.

The call for papers for this issue was displayed on the website of UNESCO, World Heritage Centre, Paris. This 7th issue shall serve as a useful resource to scholars, researchers, as well as administrators, architects and planners, to develop an understanding of the HUL approach.

Release picture: from L to R: Prof. Savita Raje, Issue Editor, Dr. N.Sridharan, Director SPA Vijaywada, Prof. Edgar F. Ribeiro, Chairman, SPA Bhopal, Mr. Amogh Kumar Gupta, Prof. D.S.Meshram and Prof. Najamuddin, members of BOG, SPA Bhopal, Ar. Ashish Ganju, member Academic Council, SPA Bhopal, and Mr. K.K.Joaddar, member of BOG, SPA, Bhopal and Dr. Ajay Khare, Director, SPA, Bhopal



# D R E L

## JOURNAL OF SCHOOL OF PLANNING AND ARCHITECTURE *NEW DIMENSIONS in RESEARCH of ENVIRONMENTS for LIVING*

### SPANDREL (Issue 8) 2014 related write-up

**Issue Editors : Dr. Tapas Mitra and Ar. Karna Sengupta**

**SPANDREL** : Journal of SPA, Bhopal – New Dimensions in Research of Environments for Living.

To promote quality research in the areas of Architecture, Planning and Design, the School publishes an international journal “SPANDREL”- Journal of SPA : New Dimension in Research of Environments for Living (ISSN 2231- 4601)

### Urban identities and emerging city forms :

The physical forms and cultural contours of cities are embedded in their past histories. But urban identity is not only an expression of time, but also a function of buildings, culture(s), communities, natural features and collective memories.

Religion, tradition, spatial types, built forms and climatic responsiveness situate the contemporary city within its globalised multi-dimensional identities, which are only going to keep multiplying. The seminal question of identity would take on numerous aspects of how such pluralisms would be interpreted, created and recreated, used and abused, imagined and narrated, suppressed and communicated, expressed and projected, imposed and marketed. Above all, the multiple ways they are going to be perceived within the dynamic interpolation of the East and the West, the centre and the periphery, the urban and the suburban and the old and the new.

Urban transformations and identity questions are ever more complex in the cities of the Global South. In these last decades, during the period of socio-political and cultural redeployment, the redefinitions of their urban spaces reflect the need to refashion, consolidate or even establish their new/old identities.

With the backdrop of these multi-layered research themes and ever-emerging areas of study on urban identities and form, the Spring 2014 issue of SPANDREL aims at adopting a wide-lens interdisciplinary approach, while focusing on various transitional processes affecting identities in the urban context in its global-regional-national-local interplay. The issue welcomes contributions in the form of research papers, case studies, documentations, students' works and book reviews which would enrich the knowledge base on the subject.

The following thematic areas will be covered :

1. Collective memory, identity and urban image construction
2. Immigrants and the cultural identity of cities
3. Migration, emerging urban forms and imagery
4. City marketing and city branding in transition
5. Urban cultural heritage as identity-anchor
6. Creative Changes of the cities
7. Art and industry in urban development
8. Urban aesthetics
9. Kitsch and value in shaping contemporary urban spaces
10. Post-colonialism and the nature of urban change
11. East-West connects in urban development
12. Media and the city
13. Impact of technology on sense of place for cities





## Academic Resources and Support System

### Graphics laboratory

Today, there are many types of software that aid the multi-faceted profession of Architecture and Planning. The institute has a fully equipped laboratory with more than 40 Computers. The Aim of the laboratory is to equip the students with knowledge & practice of relevant & latest Software, so that they can use these tools towards design development and implementation related drawings and documents.

The computers are equipped with a wide range of software essential for the profession of architecture and planning, such as Autodesk (3ds Max, AutoCAD, Revit, Inventor), graphics software, Corel draw, Photoshop, GIS software and other 2-d/3-d image rendering software. All the computers in the lab are equipped with internet facility. The broadband and wireless connection facilities provide a continuous internet access.

The Lab manages overall computer network of SPA Bhopal which includes individual faculty/staff terminals, institute labs, library etc. Owing to our highly qualified computer administrators, technology support is always available to faculty, staff and students on one-to-one basis as well as in the form of occasionally organized training sessions on general computer literacy and internet browsing. Uninterrupted high-speed (1 Gbps) internet Wi-Fi/cable access is available throughout the institute building. Hostels are also equipped with internet facility to ensure internet access for students even after Institute working hours.

Local area networking has been provided in the academic area, hostels and residential areas. There are nearly 400+ users who are using internet and the computing facilities.

The institute is equipped with wired lease line (1 GBPS) supported by National Informatics Centre (NIC) – National Knowledge Network (NKN) Bhopal

The lab staff manages Web-based e-mail access, web site maintenance, centralized data storage including provision of technical support for hardware and software issues.

The lab has 15 KVA UPS which is used as a power backup.

To streamline communication relating to various activities and events conducted by SPA Bhopal, CMC (Communication and Media Cell) serves as an institutional hub for dissemination of information, mainly through digital media.

The Lab provides support for various remote sensing software, GIS and 3-D modeling resources and other equipments. GIS's Workstations are equipped with high-end hardware, software and satellite data so that the students can perform analysis, mapping, query for spatial/geographical data.

To facilitate sharing of educational material, research, services, and library facilities with other institutes in the country, NKN provides high performance computing facilities, e- Libraries, virtual classrooms and a collection of large database.

The NKN will enable scientists, researchers and students from different backgrounds and diverse geographic locations to work closely for advancing human development in critical and emerging areas.





Computer Centre supports a wide 1gbps Lease Line network that connects all the academic units, library and other central facilities to the Computer Centre. Users can use the computing resources of Computer Center from their offices and academic units.

## Architecture and Planning Studios

The working environment for the students of Architecture and Planning demands ample space and an excellent infrastructure. The Institute is equipped with large studios and with modern audio-visual facilities in all its studios which formulates an excellent working and learning environment for the students.

With the increased batches of Masters and Bachelors, programmes in Architecture and Planning, there was a demand for more number of studios. This demand has been fulfilled with elegantly designed spacious studios at the new campus at Bhauri and at transit campus, SPA, Bhopal.



## Geographical Information System (GIS) Laboratory

Remote Sensing (RS) and Geographical Information System (GIS) technologies have become an inevitable part of physical planning and its related fields. These technologies have emerged as powerful tools with a potential to handle complex spatial systems of the growing demands of the modern world. These increased demands call for a coordinated application of RS and GIS for a sustainable development and management of urban areas and regions.

To equip students with the latest technologies RS and GIS are an integral part of the syllabus, both for the students of Planning and Architecture. As a part of the course contents, the students are required to learn related softwares and their applications through hands-on practice to undertake academic projects.

Considering the increased importance of the discipline a state-of-art GIS laboratory was developed in year 2010 in School of Planning and Architecture, Bhopal. A dedicated space of 35.00 square meters is allocated in bhauri campus. This laboratory provides Remote Sensing, Geographical Information Systems and 3D Modelling resources useful for bachelor's and master's students to prepare maps, analyse and query the spatial/ geographical data. It is equipped with nearly 20 high end workstations, latest softwares and high resolution satellite data. Latest versions of Arc GIS, ERDAS imagine and IDRISI softwares are available. Apart from this, digital survey instruments, consisting of four DGPS and five hand-held GPS are also purchased.

A number of GIS projects were successfully completed with the technical assistance of the GIS team and through the utilization of resources available in the GIS lab.

An in-house project for GIS data creation and upgradation was undertaken for a period of two months during 27 May 2013 and 15 July 2013. The details of the project outcome are shown in the table below:

S.No.	Outcome	Output/Deliverable
1	Updation of the administrative boundaries of India (upto tehsil level) as per the Census of India 2011	Soft copy in vector format: SHP (Shape file).
2	Administrative boundaries of Madhya Pradesh (upto village level) as per the Census of India 2011	Report 'Madhya Pradesh, Administrative Atlas 2001: Tahsil and Village Level Information ' in both soft and hardcopies (4nos.)
3	Integration of non-spatial data/attribute data (village census code and village name) to the administrative boundaries of Madhya Pradesh (upto village level)	Soft copy in vector format: SHP (Shape file)

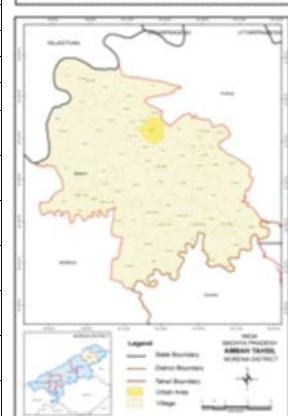
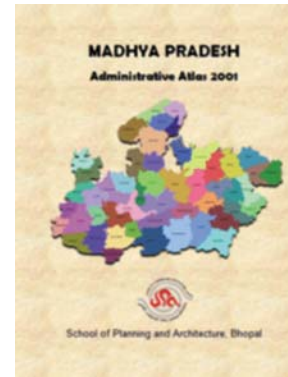
- **Training Programs**

1. Summer Training - Under this project, summer training was offered with in-house funding to seven students of Bachelor of Planning, School of Planning and Architecture, Bhopal
2. Two day Training workshop for DGPS

- **Consultancy Project**

1. Review and Preparation of Urban Development Plan for SamdrupJhongkhar Thromde, Bhutan 2013





The following are the details of the GIS laboratory resources:

	Item	Quantity	Specifications
Hardware	Workstations	01	HP Z800 with 16 GB memory and Quadra FX3800NVIDIA Graphic card, XEON 2.67 GHz dual processors
		03	HP Z800 with 16 GB memory and Quadra FX1800NVIDIA Graphic card, XEON 2.67 GHz dual processors
		05	HP Z800 with 16 GB memory and Quadra FX4000NVIDIA Graphic card, XEON 2.80 GHz dual processors
		09	Dell Precision T1650 with 16 GB memory and Quadra FX4000NVIDIA Graphic card, XEON 3.40 GHz dual processors
	Monitors	20	24" HP – TFT (8no.), 30" HP – TFT (2no.), 3D Stereo View Sonic 22" 120Hz (1no.) and 24" Dell – TFT (9no.)
	Colour A3 Printer and Scanner	01	HP ColourLaserjet
	Topo Mouse	01	16 Button
	3D Goggles	02	NVIDIA
	Graphic card	02	FX1800NVIDIA
	Handy cam (camera)	02	Sony
Software	ArcGIS	20 user licenses	Version 10.2 (ArcInfo, ArcView, Spatial Analyst Extension, 3D Analyst Extension)
	ERDAS Imagine	10 user licenses	Version 2011 & 13 (ERDAS imagine Professional, ERDAS imagine Vector, ERDAS imagine Virtual GIS)
	IDRISI TAIGA	15 user licenses	Version 16.5 (Student Lab Kit)
	Leica Photogrammetry Suite (LPS)	05 user licenses	Version 2011
	Microstation	05 user licenses	
	Cube	01 user license	Version 5.1
Satellite Data	LISS-III, LISS -IV MX, CARTOSAT -I,CARTOSAT -II STEREO CARTOSAT -I	06 cities	Bhopal, Ujjain, Indore, Dewas, Jabalpur, Gwalior, Thimphu
	Digital Globe (world view-2)	03 cities	Bhopal, Ashapuri and Sanchi

Snapshots of the Project Work for Database creation.



### Library

The institute library serves as a creative and innovative partner to support the teaching, learning and research activities of the institute. Its main objective is to meet the rising expectations of the student community by providing unparalleled services that advance the institute's mission to create new knowledge. This is one of the vital organs of the institute to meet the mission of academic excellence. It also acts as an indispensable unit of the institute to bring an innovative and dynamic educational change in partnership with the institute's faculty, student and staff.

Library houses quite a good number of print and electronic resources in the field of Architecture and Planning. The books are arranged subject wise for easy and quick access. Open access system has been adopted to ensure more freedom to the library user and reduce the gap between the user and the collection. Experienced, cooperative and professionally trained library staffs are employed for systematic arrangement of the library documents as well as to maximize their usage.

#### Library Collection

- **Books and Micro Documents-** The library has a total collection of around 5800 books which covers different sub-areas of Architecture and Planning like architectural structure, history of architecture, public structures, religious & residential buildings, building construction, structural engineering, landscape architecture, interior design & decoration, decorative arts, urban & regional planning, construction management, economics, sustainable development, drawings, paintings, classics, etc.

The collection includes textbooks, reference books, CD-ROMs, etc and new books are added regularly.

- **Journals-** Library subscribes 143 journals (both national and international) and all most 70% of them having full-text online access. Besides, the current journals the library has around 500 bound volumes also. Procurement of journal archives of the highly used journals is under process.
- **Databases-** Subscribes two international bibliographic databases (*i.e. Avery Index to Architectural Periodicals & Design and Applied Art Index*) and two socio-economic databases (*i.e. indiastat.com & districtsofindia.com*).

#### Automation & ICT Applications

Library services and housekeeping operations are automated with the help of library management software. Detail information about the library collections and services is available in its webpage (<http://library.spahop.ac.in/home.aspx>) and updated regularly.

The catalogue is available online throughout the whole academic campus. Newly acquired books and journals are being added to the database on immediate basis.

Library adheres to the principle of continuous improvement of the essential strategies for creating an innovative, effective and efficient unit in the institute. Simultaneously, there is a continuous effort by the library to serve its user community in an efficient and innovative way.



## Training and Placement

The Institute has a Training and Placement Cell which assists the students in selecting suitable organizations for undertaking professional training and facilitates the placement of graduating students.

The first batch of B. Plan students and the first batch of M. Arch (Urban Design) and M. Plan (Urban and Regional Planning) students graduated in the summer of 2012 & transit campus. Campus interviews were conducted for these students with reputed organizations visiting the campus. Apart from Campus Interviews, students also were contacted on one to one basis in off-campus interviews and selected in various organizations across the country.

Some of the organizations in which our graduates are placed include the Ministry of Works and Human Settlements, Royal Government of Bhutan, ILFS India, Town and Country Planning Department, Govt. of Madhya Pradesh, to name a few. Urban Design and planning graduates are also associated with eminent independent consultants of the country.

The students also undertake training as part of their curricular requirements in various organizations working in the planning and habitat realms.

The B. Plan students undertake summer training after their second and third year of studies, twice in the entire coursework. The B. Arch students undertake training for a period of six months in their eighth semester of studies. The M. Arch and M. Plan students undergo Summer Training in the summer break after their first year of studies. Students have been training in reputed organizations both in the government and private sector and across a wide range of organizations including consultants, developers, research organizations and NGOs.

In addition to the training and placement related activities, the Training and Placement Cell conducts workshops for the students to develop the skills of communication, both written and verbal and for preparing them for interviews.

Human Resource Development is a key objective of the institute and the Training and Placement Cell strives to meet the demands of the Architectural and Planning professions by facilitating a vibrant industry-academia interface.

### Placement 2014

### Bachelor of Architecture



योजना एवं वास्तुकला विद्यालय, भोपाल  
मानव संसाधन एवं विकास मंत्रालय, भारत सरकार का स्वायत्त/उपकारी संस्थान

School of Planning and Architecture, Bhopal  
An Autonomous Institution of MHRD, Government of India

### Placement 2014

### Master of Planning

### Bachelor of Planning

### Master of Architecture



योजना एवं वास्तुकला विद्यालय, भोपाल  
मानव संसाधन एवं विकास मंत्रालय, भारत सरकार का स्वायत्त/उपकारी संस्थान

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## Activities in SPA Bhopal

### International Visits and Events

#### Prof. Ajay Khare

Prof. Ajay Khare visited South Africa in the month of May 2013 to take part in Q.S. Maple Conference on Higher Education in Afro-Asian Countries. The Programme was organized by University of Johannesburg. Prof. Khare presented his views about accreditation in the field of Architecture and International Validation Systems, and took part in International Ranking Workshop. He also visited Gandhi Memorial at Constitution Hall, South Africa.



In the month of September-October, 2013, Prof. Khare visited United States of America to visit many west coast Universities. This visit was also a part of Berkeley Prize Teaching Fellowship activity. Prof. Khare interacted with many Professors of University of California at Berkeley, University of California at Los Angeles, University of South Carolina at San Diego and University of San Diego.



Prof. Khare also attended the Annual Meeting of Human Factors Ergonomics Society at San Diego where he presented the ongoing work being done by SPA, Bhopal students for the Berkeley Prize Teaching Fellowship and the national competitions organized by SPA, Bhopal for making the World Heritage sites accessible.



The Human Factors and Ergonomics Society's mission is to promote the discovery and exchange of knowledge concerning the characteristics of human beings that are applicable to the design of environment, systems and devices of all kinds. Prof. Ajay Khare presented two-papers co-authored by Rachna Khare at International Annual Meeting of the Human Factors and Ergonomics Society, San Diego, California, USA in September 2013. The papers are titled as 'Design Competition as a Pedagogical Tool to Teach Concepts of Universal Design in India' and 'Research Tools to Learn about the Needs of Children with Autism'. Both the papers are published by Sage Publications ISBN 978-0-945289-43-2.



## Activities in SPA Bhopal

### Rachna Khare

Indian Spinal Injuries Center organized an international conference UniDAT 2013 on 19-21st December in New Delhi. This conference emphasized on designs/technology that works for the widest possible range of ability (Universal Design) or a specialized technology tailored to the needs of individuals with functional limitations (Assistive Technology). Prof. Rachna Khare represented Center for Human Centric Research (SPA-Bhopal) at this international conference, presented two papers with Prof. Sandeep Sankat, chaired two sessions on 'Universal Design and Technologies for Barrier Free Environment' and 'Barriers and Accessibility issues in various Environmental Settings and Transportation Systems'. She also participated in a panel discussion on 'Universal Design and Assistive Technology in India: 10 Years from Now'.

Prof. Rachna Khare presented in World Living Heritage Festival organized by Maharana Mevar Charitable Foundation, UNESCO and ICOMOS India, on March 13-15th 2014 at Udaipur. The conference presented Indian and International examples of Living Heritage to outline a clear framework to promote the concept of Living Heritage. Dr Khare spoke about 'Enhancing Livability through Universal Usability at Udaipur City Palace'

Rachna Khare led a delegation from SPA-Bhopal at 'Reinventing Higher Education: Problems, Prospects and Challenges' in January 10-11, 2014. This event was part of the Global Education Summit in Vibrant Gujarat 2014. Dr. Khare spoke on 'Developing Creative Thinking and Architecture Education'. She also participated with her team in a workshop during the event, the aim of which was to deconstruct the current form of higher education and identify important ingredients necessary to build a strong framework to reform and contextualize higher education in India. The event was co-organized by Knowledge Consortium of Gujarat and Navrachna University.





## Sandeep Sankat and Devarshi Chaurasia

Indian Spinal Injuries Center organized an international conference UniDAT 2013 on 19-21st December in New Delhi. This conference emphasized on designs/technology that works for the widest possible range of ability (Universal Design) or a specialized technology tailored to the needs of individuals with functional limitations (Assistive Technology). Ar. Sandeep Sankat and Dr. Devarshi Chaurasia represented Center for Human Centric Research (SPA-Bhopal) at this international conference and in all presented three papers along with Prof. Rachna Khare.

### Paper Titles

1. Bus rapid transit system (BRTS) : A case study to investigate its use by the persons with disabilities.
2. Development of Design Guidelines to Create Inclusive Enabling Environments for Indian Elderly.



## Tapas Mitra and Sheuli Mitra

Dr. Tapas Mitra, Associate Professor, Department of Architecture and Prof. Sheuli Mitra, Associate Professor, Department of Planning presented two Research papers at the 49th ISOCARP congress, held at Brisbane, Australia in October 2013. They spoke on aspects of the city core and periphery, urban identity, (de)gentrification, housing stock and issues of urban decay, regeneration and emerging real estate scenarios which form part of the central debate on contemporary urbanism. The Research papers were titled 'Delineation, transformation assessment and intervention initiatives for 'Grey zones' of Kolkata, India' and 'Conflicts in land and housing markets in Kolkata: Emergence of a divided city.'





### Ar. Piyush Hajela

Ar. Piyush Hajela presented a paper on “URBAN CULTURES AND PUBLIC OPEN SPACES IN INDIAN CITIES” at the International conference held in Skithos Island Greece from 18th to 21st June 2013. The conference titled Changing cities: Spatial, morphological, formal and socio-economic dimensions was organized by the department of Planning and Regional Development University of Thessaly Volos Greece. Nearly 200 participants from across the world presented their papers. Ar. Piyush Hajela gave a presentation on how Open Spaces have a very strong role to play in the display of the aspirations of the Indian communities across different cultures and faiths. It also depicted the diverse use of these open spaces by the

people during the year, that makes the Indian society so vibrant and lively. His colorful presentation was well attended and appreciated by the audience.

### Dr. Anand Wadwekar

Dr. Anand Wadwekar presented his research paper titled “Irrational Exuberance: Low Density in Pseudo-colonial City and Its Urban Follies” in the fourth International Conference on Urban and ExtraUrban Studies-Spaces and Flows organized at University of Amsterdam on 22-23 November 2013.

This conference aimed at critically engaging the contemporary and ongoing spatial, social, ideological, and political transformations in a transnational, global, and neoliberal world. In a process-oriented world of flows and movement, the global north and global south now simultaneously converge and diverse in a dialectic that shapes and transforms cities, suburbs, and rural areas. This conference addressed the mapping of, the nature of, and the forces that propel these procedural changes.



### Ar. Karna Sengupta

Ar. Karna Sengupta presented a paper “Role of Universities in Knowledge Clusters and Their Spatial Relationships with the City: The Case of Bhopal, India co authored by Dr. Ajay Khare in the Spaces and Flows Fourth International Conference on Urban and Extra Urban Studies, organized by Centre of Urban Studies, University of Amsterdam at Amsterdam, Netherlands on 23-24 November 2013. The paper explores the concept of knowledge clusters and the shift to knowledge economy fostering knowledge based development in India. It discusses the importance of universities in the knowledge based development and its relationships with the city. The paper illustrates how places of knowledge production: the university and places of knowledge consumption can be

positively fostered through accessible networks between them and the city. This international visit also involved visiting the cities of Utrecht and Rotterdam along with Amsterdam to understand emerging Dutch urbanism.

## Dr. Kshama Puntambekar

1. Asia Pacific Integrated Model (AIM) was started by National Institute for Environmental Research (NIES), Tsukuba, Japan. An international collaborative program to jointly develop national and local Models for Low Carbon Society (LCS) Scenarios using AIM was initiated by NIES. Contributing in this sector Dr. Kshama Puntambekar attended the workshop and presented her research work on 'Low Carbon Scenario in Transport Sector at Bhopal' analyzing the carbon emission scenario using AIM/Enduse Model in the 19th AIM International Workshop on December 13-14, 2013 at Tsukuba Japan.

2. The International Society for Digital Earth is a global initiative to construct a comprehensive virtual representation of the planet. ISDE has organised 8th International Symposium on Digital Earth 2013 held from 26 – 29 August at the Borneo Convention Centre Kuching, Sarawak, Malaysia. The theme was "Transforming Knowledge into Sustainable Practice". Dr. Kshama Puntambekar along with Purna Sheolika presented a paper titled 'Spatial Analysis of Low Carbon Development 2050: A Case of Residential Sector, Bhopal, India. The paper analyses the residential sector of Bhopal at ward level for carbon emission scenarios and represented the results using (Geographical Information System) GIS software for better understanding for Decision Makers.



## Ar. Aarti Jaiswal

Aarti Jaiswal presented a paper intends to make a contribution to the field of knowledge that is expanding because of growing need of the professionals equipped to deal with the challenge of growing urbanizing world. In most cases, transformations both at micro and macro level are guided by economic forces, but designing the quality of physical setting, the process of shaping environment requires knowledge that goes beyond understanding the market forces.

In order to tackle the complexities in understanding of transformation of urban complexes feasible means, techniques and methods are to be studied and applied to understand transform at all levels. The work is to be structured according to different scale of analysis and interpretation ranging from territory to building assembly with the help of empirical case study of Bhopal city in central India which is unique in terms of physical setting and socio economic factors that governs transformation within the city.

The papers intend to talk about methods which can be used in understanding and interpreting transformation in urban structure at various levels in different territories by bridging the gaps between old and new by highlighting interface between built and nature through physiological demands and morphological consequences.



## Ar. Supriya Kukreja

Ar. Supriya Kukreja, Assistant professor – Architecture, SPA Bhopal presented paper - Beyond the 'desire of the city' - Urban Boundaries & Inequality, at International Urban Design Conference- on "Cities, People and Places" October 14th -17th 2013, Colombo, Sri Lanka. She also conducted- Rhythmanalysis – An Analysis of Activities, Patterns And Impacts – with case example of City- Bhopal Diversities|Disparities|Interpretation –Pre Conference Student Workshop on 14 October 2013 with Asst. Prof. Koen De Wandeler from KU Leuven at Department of Architecture - University of Moratuwa, Colombo, Sri Lanka.

She also presented her study at ICOMOS ISC 20th Century Heritage Annual Meeting 2013 which was followed by ICOMOS - International Conference-cum-Workshop - "Filling the Gaps: World Heritage & the 20th Century", October 3rd-7th 2013, Chandigarh, India. Her paper titled- The Quality of Urban Ruins - "Evaluating 20th Century Heritage" discussed her Case Study of Chandigarh government press, sec - 18, Madhya Marg, Chandigarh.



## Activities in SPA Bhopal

### Farewell in the honour of Prof. E.F.N. Ribeiro, Chairman SPA Bhopal (2009-2014)

The Flourishing SPA Bhopal, the shining SPA Bhopal is a result of hard work from every member of SPA Pariwar but the team performs when the leader promotes. It is the confident, determined leadership from our beloved Prof. E.F.N. Ribeiro which gave a name and fame to SPA Bhopal in such a short duration of time. SPA Bhopal has been nationally and internationally recognized under his leadership and chairmanship.

With all its love, respect and to thank Prof. E.F.N. Ribeiro, the whole SPA Bhopal Pariwar gave a grand farewell to him on the completion of his tenure as Chairman, SPA Bhopal. The SPA Pariwar thanked him for his immense contribution as Chairman for the development and progress of SPA Bhopal. The Director SPA Bhopal, Prof. Ajay Khare thanked him with a token of love and remembrance in the form of a collage depicting his journey with SPA Bhopal. Managing members of board of governors and society of SPA Bhopal joined the evening on 31 Jan 2014.



## Faculty Forum

Since 2010, SPA, Bhopal organizes a faculty forum at the end of the semester or just before the start of the semester. This unique initiative gives a wonderful opportunity for all faculty members to present their works done in last semester, the plans for upcoming semesters, their contribution for the development of the Institute and their own personal achievements. This humble exercise started with humble goal has become a regular feature of our calendar immensely enriching the academic environment of the Institute. The last faculty forum was attended by Prof. Chetan Vaidya, Director, SPA, Bhopal and Prof. Jagbir Singh, Dean, Faculty of Architecture, UPTU and for all faculty members it was coordinated by Dr. Rachna Khare, Associate Dean, Faculty Development.





## Activities in SPA Bhopal

### Universal Design Award 2013

The Center for Human Centric Research at SPA, Bhopal received Universal Design Award 2013 for its inclusive design efforts at the institute. The objective of this research and design development center is to bring awareness amongst future architects and planners to respond to the needs of diverse human population otherwise marginalized in the past design practices, for collective socio-economic-cultural development in the country. The center works to build a research based body of knowledge with all realms of the ethnographic, qualitative and quantitative experimental paradigms, to support human centered design process. It functions in four major areas, 'Identification of Research Priority Areas and Networking', 'Education and Training', 'Research and Design Development' and 'Dissemination'. The conferred award is instituted by NCPEDP, Mphasis and Access Ability, and was given by the then Minister, Ministry of Social Justice and Empowerment, India.



### Berkeley Prize Teaching Fellowship


The Center for Human Centric Research at SPA, Bhopal conducted one year (2013-14) long design studio under Berkeley Prize Teaching Fellowship on 'UNIVERSAL DESIGN FOR CULTURAL INTERFACE IN THE SACRED SITE OF UJJAIN'. The studio focused on equal access to achieve Universal Design for a culturally rich site. The students researched into the needs of diverse users, investigated heritage issues, explored site considerations and developed universal design solutions that offer equal opportunity to everyone. The Teaching Fellowship was led by Dr. Ajay Khare, time Professor in the Department of Architecture, Chairperson of CHCR and Director of SPA, Bhopal.

In relation to the prospective projects for upcoming Kumbh at Ujjain in 2016, the overall aim was to focus on 'User Centered Approach' to design for diverse users, irrespective of age, ability, gender, class, caste, religion, poverty, urban/rural background. The objectives of the studios include:

- 1) Identify the environmental challenges for diverse users visiting historic pilgrimage site.



**NAME:** PUSHPA PANDEY  
**AGE:** 45  
**OCCUPATION:** HOME MAKER  
**NON-LOCALITE:** BANARAS  
**SUFFERING FROM ARTHRITIS**




**PURPOSE OF VISIT**  
DHARMSHA AT MAHAKALESHWAR TEMPLE, VISITS THE TEMPLE IN EVERY TWO YEARS.

**- OTHER INTERPRETATION CENTRES IN UJJAIN. HOW TO GATHER RELEVANT INFORMATION?**  
THERE IS ONE INFORMATION BOTH NEAR THE MAHAKAL TEMPLE BUT NO OFFICER, NO PERSON TO GUIDE. ALL INFORMATION ABOUT THE TEMPLE IS GATHERED FROM SHOPKEEPERS AND LOCAL VENDORS.

**- DIFFICULTIES DURING THE STAY**  
STAY WAS COMFORTABLE BUT NO INFORMATION ABOUT PLACES TO VISIT. THE CITY HAS A HISTORICAL AND RELIGIOUS BACKGROUND BUT IT DOES NOT DEPICT ITS REAL SOUL.  
THERE SHOULD BE DEDICATED SOUVENIR AND ARTS FACTS SHOP TO BRING OUT THE AUTHENTICITY OF THE PLACE.  
LIGHT AND SOUND SHOW, STORYTELLING MANNING, CURVES AND HERITAGE MUSEUM AND ART GALLERIES TO BRING OUT THE ESSENCE OF THE CITY.

**- PARKING AND CIRCULATION**  
TRAVELLED BY A LOCAL AUTO, WALKED FROM HARSHDINE TEMPLE SQUARE TO REACH MAHAKALESHWAR. SUFFERING FROM ARTHRITIS, IT WAS DIFFICULT TO WALK LONG STRETCHES ALL TOGETHER. SOME SITTING SPOTS IN BETWEEN COULD HAVE BEEN A HELP. YOUNGER PEOPLE JUMPING OVER BARRICADES IN THE WAITING QUEUE MADE HER FRUSTRATED. SHE HAD TO STAND LONGER.  
PROVISION OF RESTING SPOTS WITHIN FEW METRES COMFORTABLE SITTING FOR OLD AND ELDERLY TO EASE THEIR VISIT.  
WIDE CIRCULATION SPACES WITH PROPER MANAGEMENT.

**Name:** Rajesh Meena  
**Age:** 45  
**Occupation:** Farmer  
**Ability:** Illiterate  
**Social Status:** Poor  
**Non Localite:** Haryana  
**(Was there with his wife and parents)**



**PURPOSE OF VISIT**  
TO TAKE BLESSINGS OF MAHAKAL.

**JOURNEY TILL MAHAKAL**  
TRAVELLED IN AN AUTO. WAS FOOLED BY THE DRIVER.

**GOVERNMENT SUBSIDISED AUTO CENTRES AND BUS STANDS. RATE CHART MUST BE MENTIONED. METER METHOD MUST BE APPLIED.**

**FACILITIES OF FOOD**  
VERY EXPENSIVE. LACK OF JOINTS FOR PROPER LUNCH/DINNER.

**VISIT INSIDE THE TEMPLE (ACCESS)**  
ENTERED THE VIP LINE BY MISTAKE WAS ALL TREATED BY THE GUARDS, BRIBED BY SOCIAL INJUSTICE.

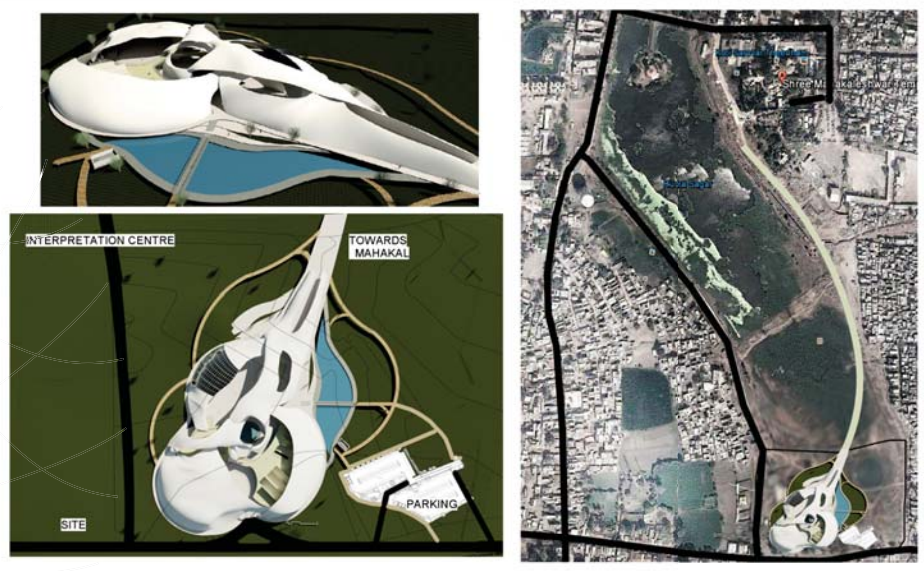
**FURTHER PLANS**  
WANTED TO SEE BHASHM AARTI. TOOK A LOT OF TIME TO FIGURE OUT HOW TO ATTEND, WAS BRIBED BY THE CHARGES.

**RELIGIOUS SENTIMENTS ARE SACRED AND MUST BE AVAILABLE FREE OF COST. UNNECESSARY TICKETING MUST BE AVOIDED.**

**DIFFICULTY IN GATHERING INFORMATION:**  
WENT TO INFORMATION BOOTH TO INQUIRE ABOUT OTHER MUST VISIT SPOTS. WAS HANDED A PAMPHLET IN DIFFICULT HINDI AND ENGLISH. WAS UNABLE TO UNDERSTAND.

**DIFFICULTY IN GATHERING INFORMATION:**  
WENT TO INFORMATION BOOTH TO INQUIRE ABOUT OTHER MUST VISIT SPOTS. WAS HANDED A PAMPHLET IN DIFFICULT HINDI AND ENGLISH. WAS UNABLE TO UNDERSTAND.

**UJJAIN USER STUDY**



S-1	<b>UJJAIN INTERPRETATION CENTRE</b>	SITE PLAN	Date: 09-12-2013	
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- 2) Identify Universal Design opportunities with focus on diversity in the Indian context.
- 3) To create enabling designs for most used facilities for everyone, like information area, sacred bath, sacred circumambulatory path and temporary shelter.
- 4) To develop innovative and contextual research tools to investigate design problems in India and employ practice-based approaches to social inclusion in guidance of universal design and heritage experts.
- 5) Publish educational process and outcomes for the universal design teaching community in India.



## Activities in SPA Bhopal

The Berkeley Teaching Fellowship involved second and third year undergraduate students of 4th and 6th semester and all design problems offered were very different from each other in scale and content. The studio was endorsed by the Department of Architecture in the College of Environmental Design at the University of California, Berkeley, U.S.A. and was being offered at five places in the world under larger theme 'Inclusive Design'. Other than SPA Bhopal, it was offered at University of Arizona, College of Architecture, Planning and Landscape, Tucson, USA; Edinburgh School of Architecture and Landscape Architecture (ESALA), Edinburgh, United Kingdom; Department of Architecture and Physical Planning, Kampala, Uganda; and Massachusetts College of Art and Design (MassArt), and Institute for Human Centered Design (IHCD), both in Boston.



### Berkeley Prize Essay Competition 2014.

SPA Bhopal last year won the Berkeley Prize fellowship this year students made us proud winners of the Global competition by Berkeley University as the entry of SPA Bhopal students, Nipun Prabhakar and Sukriti Gupta won the second prize of the sixteenth annual international 2014 BERKELEY PRIZE Essay Competition 2014.

Through three distinct competitions - the Essay Competition; the Travel Fellowship Competition; and the Teaching Fellowship Competition- the international BERKELEY PRIZE competition encourages undergraduate architecture students and their teachers worldwide to go into their communities for the purpose of thinking and writing about issues central to the understanding of the social art of architecture.



### Center for Human Centric Research (CHCR) Lab

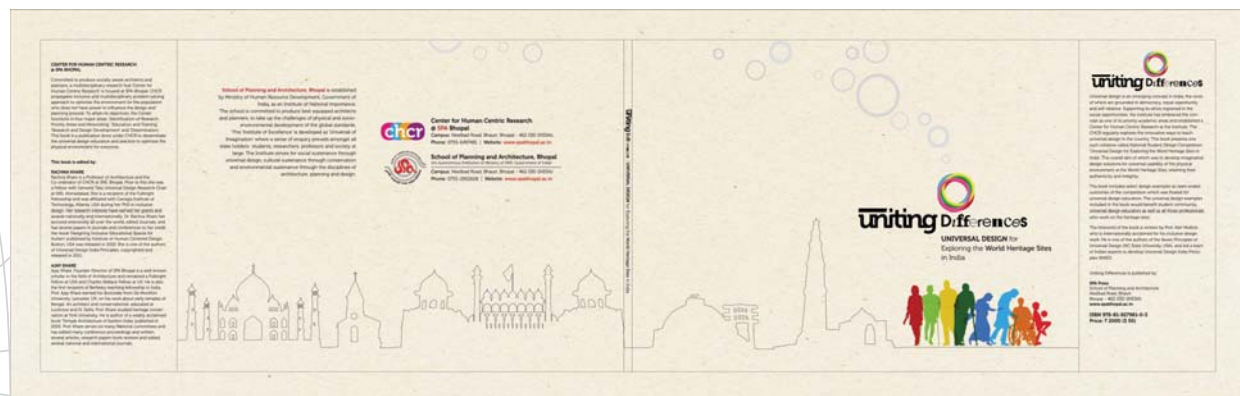
Committed to produce socially aware architects and planners, a multidisciplinary research hub 'Center for Human Centric Research' is housed at SPA-Bhopal. The CHCR propagates inclusive and multidisciplinary problem solving approach that tries to optimize the environment with extensive attention to the intended users. This approach has tremendous application in the developing countries, where majority of user population does not have power to influence the design and planning process. The center has developed a lab which helps conduct its activities through role play, full scale simulation and involvement of user experts like elderly or persons with disabilities.





## The New Publication of SPA Press 'Uniting Differences' (ISBN 978-81-927981-0-3)

'SPA PRESS' aims to publish, print, prepare, acquire, and circulate books, papers, periodicals, exhibits, films, slides, videotapes, circulars and other literary material. SPA PRESS relentlessly pursues publications of those subjects which are required to fulfill objectives of the SPA, Bhopal mentioned in its Charter. The press released its new book *Uniting Differences* in March 2014. This book presents an initiative of Center for Human Centric Research at SPA Bhopal called National Student Design Competition Universal Design for Exploring the World Heritage Sites in India. The overall aim of which was to develop imaginative design solutions for universal usability of the physical environment at the World Heritage Sites, retaining their authenticity and integrity. The book includes select design examples as open ended outcomes of the competition which was floated for universal design education. The universal design examples included in the book would benefit student community, universal design educators as well as all those professionals who work on the heritage sites.



## National Student Design Competition

### 'Inclusive Design for Cultural Interface in Pilgrimage Sites'

In India, there are several auspicious rituals, beliefs and stories associated with the pilgrimage sites, and a number of people visit to pray for good health and well being. This includes a lot of people with disabilities, elderly, children and women. This also includes rural people ingrained in poverty and illiteracy. The SPA, Bhopal organized its annual event 'National Student Design Workshop and Competition' 2013-14 with an aim to promote universal usability in pilgrimage sites in India. The competition was floated on 18th October 2013. The school received tremendous response for this competition from architecture and design schools with about two hundred registrations. The registered student teams then worked on their designs based on the design brief and in consultation with their faculty advisors. The teams were provided with a list of books, websites and other online resources on universal design and world heritage sites to make their effort an informed attempt. They submitted their work on 10th February 2014 for short listing. The final evaluation of this competition was coupled with the three day workshop from 1<sup>st</sup>-3<sup>rd</sup> March 2014. The three best entries were awarded and all short listed entries were displayed as an exhibition for the professionals for wider dissemination. Registered students and





## Activities in SPA Bhopal

their faculty advisors were invited to attend this workshop. The judging panel consisted of two strong proponents of design for social sustenance namely, Prof. Abir Mullick, Vice Chancellor, Navrachana University, Baroda and Prof., Georgia Institute of Technology, Atlanta, USA, and Prof. A. G. K. Menon, an eminent architect, educator, urban planner and conservation consultant.





### Integral Studio: Temporary Shelters for Visitors During Kumbh at Ujjain, India

'Kumbh' is a mass pilgrimage in which Hindus gather to bathe in the sacred rivers in four cities in India. With million plus pilgrims, it is the world's largest religious conglomeration, which increases in size every time, with better mobility and affordability in India. Ujjain is one of the ancient riverside cities in India where Kumbh takes place every 12 years. The event not only generates many economic benefits for the city but also throws many challenges, like temporary infrastructure, pollution, garbage disposal, accident management. The next Kumbh in Ujjain would be held in 2016 and the town of 0.5 million people is expected to receive 50 million floating population.

Taking the opportunity and challenge of upcoming Kumbh in Ujjain, an intense inter-semester studio was conducted under Berkeley Prize Teaching Fellowship-2013. The objectives of the studio were to identify the environmental challenges for diverse users visiting historic pilgrimage, provide contextual and inclusive solution for most visited areas, and develop proposal for temporary infrastructure for pilgrims.

Multidisciplinary teams from different semesters and programmes at the institute participated in the studio. To understand the problem, students did detailed context and user study. There were lectures, interactions and discussions from experts of history, culture, theology, archaeology, administration, management, and inclusive design. The collected data was analyzed and refined by the teams for the design application. The students produced 20 rich and informed solutions for a site of 32 hectares, with estimated population of 20,000. The solutions were contextual, inclusive and cultural, at the same time modern, futuristic and environmental friendly. It was realized that inputs from humanities and liberal arts resulted in enriched design thinking in the studio. It fostered multidisciplinary approach, collective intelligence and collaboration, that lead to new insights and that produced innovative and contextual solutions with empathy for the community.





**CONCEPT**  
TEMPLES ARE PLACES OF FOCUS FOR ALL ASPECTS OF LIFE - RELIGIOUS, CULTURAL, EDUCATIONAL AND SOCIAL. LIVING BEING A LARGE DIVERSE AGGLOMERATION RECEIVE PEOPLE FROM ALL RELIGIONS, CULTURES AND SOCIAL DIVERSITY

**INSPIRATION:**  
AN AMALAKA REPRESENTING A LOTUS FORMS THE INSPIRATION OF OUR CLUSTER SPACE WITH HIGH ENERGY CENTRAL SPACE LIKE KARAKASHI BEING DEVOTED TO BENARASHUKA OR ZOVING SPACE. IT ACTS AS A EQUIDISTANT CENTRE FOR THE CLUSTER PROTOTYPE

**CLUSTER DEVELOPMENT (PROTOTYPE) RADIAL+GRID**

**LEGEND TO CLUSTER PLAN**

- ROADS AND HIGHWAYS
- OPEN & PARKING AREA
- AMENITY/PUBLIC SPACE
- WATER BODIES
- FORESTS

**PLANNING - RADIAL + GRID PATTERN**  
IT IS DONE IN RADIAL PATTERN TO REACH TO CENTRAL CIRCULAR SPACE OUTER PERIPHERY CATER TO DORMITORY UNITS INNER SIDE HAS INDIVIDUAL UNITS ALONG THE 4 PATHS.

**FACILITIES AND AMENITIES**  
SINGLE FAMILY UNITS - 96  
DORMITORY - 64  
TOILETS - 96 (RATIO 1:1.5)  
SHOP, MELA, INFO BOOTH, DINING SPACE

**SHELTER DESIGN: SINGLE FAMILY**

**PLAN**

**ELEVATION AT A**

**ELEVATION AT B**

**VISUALIZATIONS**

**INTERIORS**

**LOCATION MAP**  
UZJAIN  
SITE

**CLIMATIC ANALYSIS**  
PREVALENT WIND DIRECTION IN SUMMER MONTHS

**SITE ANALYSIS**

- S- WITHIN 200MM WIDTH OF THE SHIPRA RIVER
- W- BLACK COTTON SOIL HAS HIGH DEGREE OF EXPANSION/CONTRACTION
- Q- STRONG CULTURAL CONTEXT
- M- MANTLING DISAMENITY
- T- SHAMBER MOUNTING - HEAT
- C- CROWD MANAGEMENT
- F- FIRE

**SOIL STRUCTURE**  
BLACK SOIL  
CLAY  
SAND  
STONE

**SITE CONTOUR SECTIONS**  
SECTION AA  
SECTION BB  
SECTION CC

**ROAD MAP - APPROACH ROUTES**  
RELIGIOUS PLACES

**TEMPLE**  
**MOSQUE**

**INTEGRAL STUDIO**

**SITE PLAN**  
THE AREA OF THE SITE IS 32 HECTARES. THE AREA IS AN AGRICULTURAL LAND WHICH IS USED FOR SHELLING PEPPERS FOR THE MELA ONCE IN TWENTY YEARS. 30 CLUSTERS HAVE BEEN PROVIDED WITH REQUIRED AMENITIES DISTRIBUTED IN EVERY CLUSTER.

**CIRCULATION PLAN**  
BUILT SPACE VS UNBUILT SPACE  
CROWD MOVEMENT  
FEEDER FOR SERVICES

**FIGURE GROUND MAP**  
VIEWS OF CLUSTER

**INTEGRAL STUDIO**



## Activities in SPA Bhopal

### Workshop on 'Sustainable Cities Generating Climate Co-benefits in Urban Areas'

A two-day International Workshop on 'Sustainable Cities: Generating Climate Co-Benefits in Urban Areas' was organized by School of Planning and Architecture SPA Bhopal in collaboration with United Nations University-Institute of Advanced Studies (UNU-IAS), Asia-Pacific Network (APN), United Nations University Institute for Sustainability and Peace (UNU-ISP) and Kyoto University during 2nd-3rd December 2013 in Bhopal.

Prof Ajay Khare, Director, SPA Bhopal, presided over the function and delivered the welcome address. The workshop was graced by Mr. Anthony J C Desa, Chief Secretary, Government of Madhya Pradesh as Chief Guest. A galaxy of eminent scholars across the country and abroad participated in the workshop, which inter alia include Prof. Amit Garg, IIM Ahmadabad, Prof. Appu Kuttan KK, Director MANIT, Prof. Giridhar A. Kinhal, Director IIFM, Prof. H.M. Mishra, Director NIGUM, Prof. Jose Puppim de Oliveira; UNU-IAS, Japan, Dr. Christopher H. Doll, UNU-IAS, Japan, Mr. Mahendra Sethi, UNU-IAS, Japan, Dr. Akhilesh Surjan, UNU-IAS, Japan, besides the members of faculty from SPA, Bhopal. The workshop was divided into two technical sessions devoted to two sub themes, namely, 'Co-Benefits in Urban Areas' and 'Sound Material Society' followed by a panel discussion on 'Sustainable Future Options for Cities: Role of Co-Benefits'.



### Workshop on Revision of UDPFI Guidelines.

A One day National Workshop of Planning Schools on Revision of UDPFI Guidelines was held in Bhopal on 30 January, 2014 jointly organised by Schools of Planning, Bhopal, Delhi and Vijaywada. The workshop was graced by Prof. E.F.N. Ribeiro, the then Chairman of Board of Governors, SPA Bhopal and Mr. M.N. Buch, an eminent civil servant. Prof. Ajay Khare, Director, SPA, Bhopal presided over the inaugural session and delivered the welcome address. Besides senior official from Town and Country Planning Organisation, Govt. of India, eminent experts from the field of Urban Planning



and Architecture, namely, Dr. D.S. Meshram, Secretary General, Institute of Town Planners, India, Prof. N. Sridharan, Director, SPA Vijaywada, Prof. R.N. Datta, IIT, Kharagpur, Prof. Mahavir, SPA, Delhi, Mr. M.N. Ashish Ganju and Mr. S.P Shorey addressed the august audience comprising of faculty members of various planning schools of the country, namely, SPA Bhopal, SPA Vijaywada, IIT Roorkee, MANIT Bhopal, VNIT Nagpur, BIHS Gujarat. The workshop was divided into five sub themes: Inclusive Planning and Legislation, Urban Transport, Climate Change and Energy Efficiency, Governance Architecture and Resource Mobilization, Urban Form and Fabric.

### Paper Presentation Competition- SRIJAN 2014:

Srijan is a festival of Innovative Model making, Paper Presentation and cultural events for Architecture, Engineering, Pharmacy and MBA students. In Srijan 2014 Final year B. Arch. Students Alankrita Sarkar and Uttara Majumdar has presented a Technical Paper titled 'Revitalization of Commercial Hub: A Case Study of New Market, Bhopal'. For the first round of presentation which held at MANIT Bhopal out of 16 Nos. of architectural papers from various institutes of central India presented, jury had shortlist 08 papers. In the second and final round of presentation SPA Bhopal students had secured the first position and won gold medal under the mentorship Dr. Devarshi Chaurasia, Assistant Professor (Architecture). He is also co author of the above mentioned paper.



### 4<sup>th</sup> December, International Day of Persons with Disability

Each year 3<sup>rd</sup> December is observed as the International Day of Persons with Disabilities (IDPD) around the world, in pursuance of a UN General Assembly resolution of 1981. The observance of the day aims to promote an understanding of disability issues and mobilize support for the dignity, rights and well-being of persons with disabilities. This year the theme selected by the UN for IDPD, 2012 is 'Removing barriers to create an inclusive and accessible society for all'.

In observance of IDPD, SPA Bhopal appealed to all architects, planners, engineers and all design professionals, to take appropriate measures to ensure that Persons with Disabilities have access to all aspects of society including the built environment, on an equal basis with others, as well as to identify and eliminate obstacles and barriers to accessibility. For this a publicity campaign conducted through posters and badges on 3<sup>rd</sup> December.





### Study Tour in SPA Bhopal

#### B.Arch. 1st Year Section - A : Study Tour of Rajasthan

Thirty seven first year students of Architecture with two faculty members from the Department of Architecture, Saurabh Tewari and Karna Sen Gupta, visited five cities of Rajasthan to understand the building and design principles of arid desert climate. The tour included a three-day measured drawing studio at Pokaran. The tour started from Jaipur to cover its museums and Amer Fort to lead to Pokaran studio. Post Pokaran, the group visited the cities of Jaisalmer, Jodhpur and Ajmer and their prominent buildings and forts.

At Pokaran, the students learnt about basic design principles, building methods and the traditional genius of local materials in the harsh arid climate. Their documentation covered primarily the Pokaran fort and a Haveli in the old city fabric. Mr. R.K. Khatri acted as a local resource for the tour. Post tour, the architectural design problem of the even semester pursued the further learning towards towards the same.



#### B.Arch. 1st Year Section B : Study Tour of Gujarat

A Study tour of Gujarat was conducted from 11th to 19th December 2013 by the students of B.Arch 1st year Section B of School of Planning and Architecture, Bhopal. With its unique geological and topographical landscape, Gujarat has Rann of Kutchh at the north-western region and is surrounded by Arabian Sea at its southern part. The birth place of Mahatma Gandhi, Gujarat witnessed the evolution of human kind starting from Harappa civilization and many other kingdoms.

#### 3rd Year B.Arch. Tour to Aurangabad, Mumbai and Goa

B.Arch. 3rd year students of School of Planning and Architecture had visited different places of Aurangabad, Mumbai and Goa; as a part of their academic study tour from 11th to 19th December 2013. At Aurangabad; students had experienced a great historic city of Maharashtra state of India; surrounded with many historical monuments, including the Ajanta Caves and Ellora Caves, which are UNESCO World Heritage Sites, as well as Bibi Ka Maqbara and Panchakki. The administrative headquarters of the Aurangabad Division or Marathwada region, Aurangabad is said to be a City of Gates and the strong presence of these can be felt as one drives through the city.

Second destination of this tour was Mumbai; which has centuries of old history and rich collection of Architectural marvelous. Visits of Hiranandani enclave, Essel world, Convention center, Planetarium etc. had given idea of architectural detailing in terms of functional and aesthetical aspects to the students.





The last destination of this tour was the state of Goa, India, which is famous for its beaches, places of worship, and tourism is its primary industry. This small state is situated on the western coast of India, between the borders of Maharashtra and Karnataka and is better known to the world as a former Portuguese settlement on Indian soil. Major attractions during visit were Bom Jesus Basilica, Fort Aguada, Art Academy, Heritage museum, Houses of Goa etc. The Churches of Goa have been declared a World Heritage Site by UNESCO. The students were guided by Prof. Sandeep Sankat, Prof. Sandeep Arora, Prof. Sushil kumar Solanki and Prof. Brishbhanlali during entire tour.

### 3rd Year Tour to Ahmedabad, Mumbai and Goa

The students of SPA Bhopal covered the south and western parts of Gujarat in this tour. Starting from Somnath, they visited the Somnath temple, Junagadh Fort, museum and Girnar mountain at Junagadh, the Portuguese colonial settlement including Diu Fort, Sea shell museum, St. Paul's Church at Diu, Dwarkadhish and Rukmini temples at Dwarka, the Rann utsav and Kala Dungar at Rann of Kutchh, the remains of Harappa civilization at Dholavida, the picturesque Vijay Vilas Palace at Mandhvi and many monuments of Bhuj. The students were guided by Prof. Sukanta Majumdar, Prof. Ashish Patil and Mrs. Neelam Singh.



### 4th Year Study Tour to Chandigarh and Himachal Pradesh

A Study tour to Chandigarh and Himachal Pradesh was organised for 51 students of 4th year B.Arch accompanied by 4 faculty members from 10th Dec. to 20th Dec. 2013. The visit to Chandigarh – “first planned city in India post independence” covered 'modern' buildings of Capitol Complex, Le Corbusier Centre, Sector-17 Market and the planned residential areas of the city. Ar. Sangeet Sharma, having worked with the pioneers of the cult delivered a lecture on “Chandigarh as a sustainable city” and his ideas and enthusiasm gave scope for a lot of debates. The Rock Garden and the Sukhna lake were a retreat after studying all the concrete buildings of the city. The heritage village of Pragpur and Garli in Himachal Pradesh were visited which is one of the first declared heritage village of India (in 1997) due to multi-cultural influence on its architecture. Buildings with a blend of Kangra, Rajput, Colonial and even Portuguese were identified. The tour proceeded to the land of Tibetan Architecture of Dharamshala where the Tibetan Temple Complex and Monastery, Norbulingka Institute of Cultural Studies, Dharamshala Cricket stadium, etc were studied. Tibetan food and handicrafts





were interesting explorations during the stay. A half day trek to Triund was undertaken by all the students. The Colonial Architecture of Shimla including major buildings along the Ridge Road and Mall Road were documented along with the activities and streetscapes in the Colonial town. Students went all over the city on foot from Bishops Cotton School to Viceroy's Lodge with undying enthusiasm and very rightly named the tour as "Himachal Tour - Padyatra Ki Nayi Misal". The trip was successfully conducted under the guidance of Ar. Ramesh. P. Bhole, Ar. Sashwat Naidu, Ar. Arvind Kumar Meel and Ar. Gayatri Nanda.

### 5th Year Study Tour : Rajasthan Trip

The final year B.Arch. students have been to several places in Rajasthan as a part of the study tour- December 2013, accompanied by three faculty members- Dr. Devarshi Chaurasia, Abhinav Shrivastav and Ar. Poonam Khan. The trip initiated on the 10th of December and returned on the 21st of December. The study tour included important places in Rajasthan- Jaipur, Shekhawati, Bikaner, Jaisalmer, Jodhpur, Pushkar and Ajmer. The first stop was the capital city of Rajasthan, Jaipur. Important historical places like the Amer fort, the Albert Hall Museum, Jantar Mantar, Jal Mahal and the City Palace were visited. The next halt was at Shekhawati where the havelis and palaces were studied. The world famous miniature paintings and frescoes at Shekhawati form the characteristic feature of the havelis of Shekhawati. At Bikaner, the Karni Mata Mandir, Shiv Bari temple and the Junagrah Fort, Lalgarh Palace was visited. Similarly, the students had a camel safari at Jaisalmer and visited several places of importance like the Golden Fort, Bada Bagh, Patwon ki Haveli, the Gadisar Lake, etc. The largest fort of India- the Mehrangarh Fort at Jodhpur along with the Umaid Bhavan Palace were the important places visited in Jodhpur. At Pushkar, the students saw the Pushkar holy lake and the Brahma Temple. Finally the tour ended with the visit to the very prominent and important shrine of Khwaja Garib Nawaz at Ajmer. It was an opportunity to visit and experience the great palaces, forts, havelis, temples, famous handicrafts, traditional food, dresses and the folk dance of Rajasthan. The visit was a very enriching experience in the cultural heritage of Rajasthan.



## Study Tour to Chittorgarh

Study tour to Chittorgarh was organized for students of III year B. Plan from 5th January to 13th January, 2014. Students were accompanied by three faculty members. The tour was mainly focused to make students understand the process of master plan preparation and role of various departments for the same. Students learned to perform all the surveys required to be carried out for preparation of master plan. State Town Planner and District Town Planner delivered lectures on the existing condition of the city and the process of master plan preparation followed in Rajasthan. The tour learning was a part of Studio exercise.



## Field Visit to villages of Piparia Tehsil as studio exercise of 1st Semester M. Plan (Integrated)

The Studio exercise for Rural Module of Ist Semester, M. Plan (Integrated Semester) was aimed at understanding the different 'Planning' approach in respect of rural areas as compared to urban areas and to explore linkages between urban and rural areas. Towards this, three villages of Pipariya Tehsil of Hoshangabad district, Madhya Pradesh, were chosen for preparing a village development plan.

For this purpose, a total of 26 students accompanied by faculty members visited the villages. The visit was scheduled between 19th October and 22nd October 2013. Students were divided into three groups and directed to study various issues like Infrastructure, Housing, Environmental Aspects, Livelihood, and Indigenous practices adopted for farming and other occupations. The data was collected through intensive primary survey, group discussions and interviews of local inhabitants.





## Activities in SPA Bhopal

### Study Tour of Jamnagar

Study tour was conducted at Jamnagar during 19-27 August, 2013 for the preparation of Regional Plan of Jamnagar district as a part of Regional Planning Studio of M. Plan (Urban and Regional), 3rd semester. Under the coordination of Prof. Ashfaqe Alam, 14 students of MURP 2nd year visited different parts of Jamnagar district in Gujarat for data collection, field observation, meeting and interaction with government officials and stakeholders. During this visit, they met the District Collector of Jamnagar, Shri. Nalin Upadhyay, IAS and Shri R.D. Kamboj, IFS, Chief Conservator of Forest, and also visited the Marine National Park, Jamnagar.



### Study Tour of Nainital District

A study of Nainital District was undertaken in February 2014 as part of the regional planning exercise of both the M. Plan programmes of Urban and Regional Planning and Environmental Planning. During the visit, students travelled in both urban and rural areas of the district, interacting with local people to understand the issues related to economy, socio-cultural context and other challenges. A series of meetings were held with the officials from the office of the Chief Development Officer of the District. The study was part of the joint studio exercise of the two programmes for preparing a district plan with a thrust on development approach based on environmental sustenance. The exercise is a collaborative work with TCPO, Delhi, to develop a prototype district plan as a response to the needs of the 73rd and 74th Constitution Amendment Act which recognises the district as a key unit of the planning system. The 25 students were accompanied by Professors Binayak Choudhury, Sheuli Mitra, Ashfaqe Alam, Rama Pandey, Govind M.P. and Shomit Bade of the Planning Department.



## हिन्दी राजभाषा पखवाड़ा वर्ष 2013

संस्थान में 14 सितंबर 2013 को हिन्दी दिवस के उपलब्ध में 14 सितंबर से हिन्दी पखवाड़े का आयोजन किया गया। इस पखवाड़े के अन्तर्गत हिन्दी के प्रचार-प्रसार व हिन्दी के दैनिक कार्यकलापों में उपयोग बढ़ाने हेतु कई प्रतियोगिताओं का आयोजन किया गया। निबन्ध, प्रश्नोत्तरी, हिन्दी सुलेख लेखन, प्रशासनिक शब्दावली इत्यादि प्रतियोगिताओं में संस्था के हिन्दी व गैर हिन्दी भाषी सदस्य गणों ने उत्साहपूर्वक सहभागिता की।

प्रतियोगिताओं के विजेताओं की घोषणा हेतु प्रतिभागियों की प्रविष्टियों के आंकलन हेतु आंकलन समिति गठित कर प्रथम, द्वितीय व तृतीय विजेताओं के नाम घोषित किए गए। प्रतियोगिताओं को विजेताओं को पुरस्कार स्वरूप हिन्दी के भाषा ज्ञान वृद्धि हेतु साहित्य, व्याकरण, जीवनी जैसी उपयोगी व ज्ञानवर्द्धक पुस्तकों का वितरण संस्थान के निदेशक प्रो. (डॉ.) अजय खरे के कर-कमलों द्वारा गरिमामय कार्यक्रम में किया गया। इस अवसर पर संस्थान के सभी शिक्षक, सदस्य, छात्र व कर्मचारी आदि उपस्थित थे।





## Activities in SPA Bhopal

### SPIC MACAY Event:

SPA Bhopal has a SPIC-MACAY (Society for Promotion of Indian Classical Music and Culture Amongst Youth) chapter. In this series we have organised 'Viraasat 2013' at SPA Bhopal on 2nd Aug, 2013. The Renowned Artist 'Sushri Kalapini Komkali' had performed the 'Hindustani Classical Vocal - Khayal' and share the salient features of Art Form. Sushri Kalapini Komkali ji is accompanied with two artists Shri Ramendra Sing Solanki (on Tabala) and Shri Upkar Godbole (on Harmonium). Another programme in the form of expert lecture by Padma Shri Dr. Kiran Seth (Founder SPIC MACAY) was organised on 27th September 2013. Title of the presentation, 'Save the Tiger and May be also the Rudra Veena.'



### Independence Day

School of Planning and Architecture, Bhopal, celebrated country's 67th Independence Day with great charm and vigour. Starting with the introductory speech of the Director of the institution, Prof. Ajay Khare, various patriotic events, dance, drama and music were performed by students very enthusiastically highlighting the veracity of India and unity in diversity.



## NASA

National Association of Students of Architecture (NASA, INDIA) is a 56 years old organization of the Architecture students studying in different architecture colleges of India. At present NASA has a membership of 209 colleges from India and 26 different colleges round the world. This fact makes NASA India the largest student community group in Asia. School of Planning and Architecture, Bhopal has been an active participant of NASA from its first year itself. Within its third year of full time membership, the college has created a strong foothold at the national level.

Like every year of their participation, this year too, the delegates under the guidance of the faculties made sure that they make their mark in NASA. Although NASA is a student's body, but it is worth mentioning the conducive environment within the college where faculties actively guide the students in various trophies. The NASA work during academic year 2013-14 saw the students documenting the Catholic church in Pachmarhi, Madhya Pradesh for Louis I. Kahn Trophy where the students were placed in top 10 colleges in India. The college also got shortlisted for prestigious Annual NASA Design Competition with the highest number of entry by any college in the country. While the students worked in five more trophies and brought laurels to the college, it is worth mentioning the International Design Competition by University of Westminster, London(U.K.), where the 2 of the entries of the college got shortlisted for final round again, the highest in the country and bagged a prize for one of the entries. Moreover, the proposals would be showcased at the Annual Summer Exhibition hosted by the University of Westminster at London in June, 2014.

The proposal for homeless shelter by the students have been published in HUDCO magazine where the students got themselves placed in top 5 entries of the country. The publication has been sent to various national libraries, state museums, parliament and other government headed institutions.





## Perceptions

Perception the photography exhibition has become a regular annual event. It was organized by SPA Bhopal at Swaraj Bhawan. This year it was extended to various colleges of Bhopal and it was a grand participation from the students of SPA Bhopal and the students of other colleges of Bhopal.

A different school of thought, SPA Bhopal encourages all forms of creativity and this photography exhibition by the students was an expression to the all-encompassing nature of photography. Moments condensed in a single snapshot reflecting a thousand words. This exhibition was about bringing forth the inherent creativity in all of us.

## सिटी के यंग शटर बग्स

### CITY TALENT

नेपथ और वाइल्ड लाइफ की फोटोग्राफी में सिटी के विभिन्न कॉलेजों के स्टूडेंट्स ने बड़ाई खास पहचान। दृशिकों के लिए भी कर चुके हैं फोटोग्राफी।

#### • सिटी रिपोर्टर भोपाल

शहर के यंग फोटोग्राफर्स का गुप गुप मुकाम फोटोग्राफी के लिए निकल पड़ता है। किसी के लिए फोटो कैमरिंग का शौक कलचासोत है वो कोई वन बिहार जाता है। इस गुप में शामिल है सिटी के कलेज स्टूडेंट्स। इन सभी स्टूडेंट्स ने खुद को एम्प्लायर फोटोग्राफर्स के रूप में स्थापित कर लिया है। ये स्टूडेंट्स निरकॉन और कैनन के प्रोफेशनल काम एपैच्योर कैमरे से नेचर, वाइल्ड लाइफ, रॉल चार्ल्ड फोटोसाइड जैसे स्लोकमोड्स पर फोटोग्राफी कर रहे हैं। इनमें से कई यंग फोटोग्राफर्स की सोने फोटो एडिजिंग्स देह के बड़े-बड़े शहरों में लग चुकी है। सिटी भास्कर ने ऐसे ही यंग फोटोग्राफर्स और उनके गुप से फोटोग्राफी के शौक के बारे में जाना।



#### एसपीए का 'परसेशन'

स्कूल ऑफ प्लानिंग एंड आर्किटेक्चर (एसपीए) के स्टूडेंट्स के फोटोग्राफी गुप 'परसेशन' ने 17 से 20 अक्टूबर तक स्टेट यूनिवर्सिटी में फोटो प्रदर्शनी आयोजित की थी। इसी इमेजोस एंड नेपथ, आर्किटेक्चर, एक्सपेरिमेंटल, नेपथ एंड वाइल्डलाइफ कैटेगरीज की 94 फोटोग्राफ्स प्रदर्शित किए गए थे। टैल के लेबर विपुल प्रसाद, दशियन जैन, लपित सोनी, भास्कराज, अरुण हुसैन, हर्ष प्रयास सिंह हैं। ये ऑनलाइन के साथ ऑनलाइन फोटोग्राफी भी करते हैं। विपुल प्रसाद लेबर और हर्ष प्रयास सिंह के साथ फोटोग्राफी कर चुके हैं। वे दृशिक, नप धितान एंड वाइल्ड लेफोफर डिपार्टमेंट के विा भी फोटोग्राफी कर चुके हैं।





## Rotaract Club

The Rotaract club of SPA Bhopal, under the wings of Rotary International, established in August-2013, has come a long way from organising collection & distribution drive to teaching children in slums area. The young Rotaractors have paved a strong pathway to words social services making the society a better place to live in.

The Team of Rotaract club have successfully organized blood donation camps, collection & distribution drive, volunteering at Winter games 2013 for disabled children and educating the under privileged children of slums in Bhopal and Mother teressa Ashram. The sole aim of the Rotaract Club is to spread awareness and make their world a better place to live in.





## Activities in SPA Bhopal

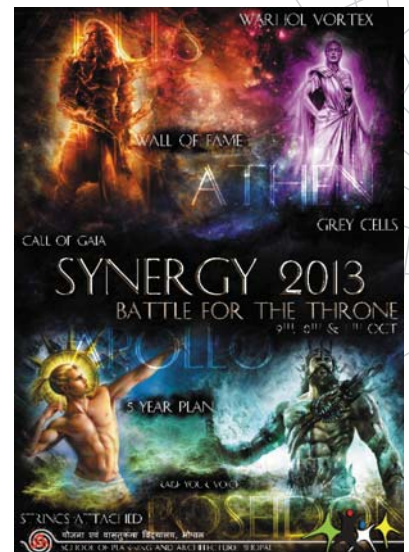
### Kalrav

An invitation, the chirping of birds, the 'Kalrav' is the warm welcome given to the young fresher's of SPA Bhopal by the senior students. The event was a grand event started with cultural by the seniors followed by a ramp walk by the first year students and short duration creative performances of the first year students. Judging these performances the Mr. fresher and Miss fresher were decided.



### Synergy 2013

Synergy is a three day mega event organized by the students of SPA Bhopal. For the event, from Architecture to Planning, from bachelors to masters the students were disintegrated into masses of four groups namely Athena, Poseidon, Apollo and Zeus. A series of academic, literary, cultural, educative events were organized by the students.



## Cricket Matches

Not only the students, the faculty of SPA Bhopal is multi talented and takes a keen interest in sports and various co curricular activities too. A one day triangular series amongst the students and teachers team was played on the occasion of the foundation day of SPA Bhopal , the 8th October. It was a very enthusiastic participation of the students and the teachers which made the event a grand success.



The faculty cricket team also played match against the renowned team of Architects' of Bhopal the IIA Bhoj warriors. With the collective team effort the SPA faculty team ruthlessly conquered the opposition and one the match by 32 runs. Playing first SPA Bhopal scored 142 runs whereas the IIA Bhoj warriors were all out on 110 runs.





## Activities in SPA Bhopal

### Football

Every year, an inter batch football tournament is organized by the student body of SPA Bhopal, which generally takes place in the odd semester. This time, it commenced from 16<sup>th</sup> September 2013, and matches were held between all the batches. According to the schedule, the table topper advances to the final and the 2nd and 3rd positions will play another match and winner get into the final. Also it was made sure that no matches end in no result.

Finally 2nd year came out as the winners of the SPA inter-batch Football Tournament '13. With the Highest Scorer: Surai Soren (3rd yr.), Best Goal Keeper: Deepak Kumar Bhoi (2nd yr.), Best Striker: Rakesh Soren (1st yr.), Best Defender: Kunwar Sarthesht(1st yr.), Best Mid-fighter: L Chingkhuba (3rd yr.)



<b>Special Lectures:</b>		
<b>Date</b>	<b>Topic</b>	<b>Name of Expert</b>
July 19, 2013	Governing Urban Land: The Political Economy of the ULCRA in Mumbai"	Mr. Faizan Jawed Siddiqi, Research Scholar, Massachusetts Institute of Technology, Cambridge, USA
August 5, 2013	Settlement Systems and Bhopal City Profile	Ar. Prashant Khirwadkar Urban Development Consultant
August 8, 2013	An Overview of Disaster Management	Dr. Rajshree Kamat
August 9, 2013	Development Plans with special focus on Local Area Plans	Prof. Ashfaque Alam
August 28, 2013	International Migration: Kerala Experience	Prof. Irudaya Rajan. S Centre for Development Studies Thiruvananthapuram, Kerala
August 29, 2013	Kollam Model of District and Local Plan Preparation	Shri. Jacob Easow Former Additional Chief Town Planner, Govt. of Kerala
August 30, 2013	Historical Evolution of Settlement System : Thiruvananthapuram, Kerala	Prof. Saji T.L. Professor & Head Department of Architecture College of Engineering Trivandrum
September 10, 2013	Research Techniques: A Quantitative Approach	Dr.Yogesh K.Garg, Department of Architecture and Planning, MANIT, Bhopal
September 16, 2013	"Egyptian Architecture"	Ar. Sanmarga Mita Faculty, Birla Institute of Technology, MESRA
September 16, 2013	"Istanbul Urbanscape"	Ar. Parama Mitra Faculty, Birla Institute of Technology, MESRA
September 25, 2013	Growth Potential of Bhopal City and The Policy for Growth of Bhopal City for E-8 Extension and Chunabhatti Area	Mr. Subhashish Banerjee Deputy Director Town & Country Planning GoMP
September 26, 2013	Recent Initiatives in Disaster Management at National and State	Dr. Dilip Kumar
September 27, 2013	"Save the Tiger and may be also the Rudra Veena"	Padma Shri Dr. Kiran Seth Professor, IIT, Delhi
September 30, 2013	Real Estate Market and Its Profiling	Mr. Shiv Prasad Singh Director Embark Advisors Pvt. Ltd, Delhi.
September 30, 2013	Real Estate Planning and Valuation	Mr.Shiv Prasad Singh Director Embark Advisors Pvt. Ltd Delhi.
October 1, 2013	Real Estate Investment and Finance	Mr. Shiv Prasad Singh Director Embark Advisors Pvt. Ltd, Delhi.
October 7, 2013	Rural Development Plans	Ar. Prashant Khirwadkar Urban Development Consultant
October 10, 2013	Residential Neighbourhood Planning and Dwelling Unit Design Principles	Ar. Vinay P. Shrivastava. Practicing Architect Planner Bhopal
October 10, 2013	For Residential Neighbourhood Planning and Dwelling Unit Design Principles.	Ar. Vinay Prakash Shrivastava. Practicing Architect Planner From Bhopal.



## Activities in SPA Bhopal

November 6, 2013	Plant identification and ecology	Prof. P.C Kotwal
November 12, 2013	Land Acquisition for Urban Development – Lessons Learnt and Unleant	Dr. Debashish Bhattacharjee Social Development Specialist, New Delhi
November 12, 2013	Slum Relocation or Insitu Development – Issues and Imperatives	Dr. Debashish Bhattacharjee Social Development Specialist, New Delhi
December 11, 2013	Gender in Urban Planning	DR. Chandreyee Das Urban Development Consultant, Kolkata
December 13, 2013	Guidelines for Selection and Development of Thesis	Prof. Kavas Kapadia, Former Head, Department of Urban Planning, SPA, Delhi
January 20, 2014	Environmental Impact Assessment and Issues Related to Its Evaluation	Prof. Asech Maitra, Former Director, SPA, Delhi
February 1, 2014	Methodological Approaches for Data Collection to Address Environmental Issues of A Hilly Region	Prof. Shovan Shah, Former Director, SPA, Vijaywada
February 1, 2014	"Bhopal & Stories Beyond"	Dr. Manu P. Sobti University of Wisconsin-Milwaukee, USA
February 21, 2014	'A Time Line of Social Housing -Success and Failure'	Prof. S. Chattopadhyay, IIT, Kharagpur
March 6, 2014	"Traditional Water Harvesting System of Rajasthan"	Farhad Contractor
March 6-9, 2014	Water management workshop	Farhad Contractor
March 22, 2014	" E.I.A Reports: Some Current Experiences	Prof. Shovan Saha
April 1, 2014	Guidelines for preparation of district regional development plan	Prof. H.B. Singh Former, Head of Department Department of Regional Planning, SPA, Delhi
April 1, 2014	Important Aspects For Planning In Hilly Areas - Case Study Based	Prof. H.B. Singh Former, Head of Department Department of Regional Planning, SPA, Delhi
<b>Training Programmes:</b>		
October 23, 2013	Behavioural Orientation	Mr. Vinay Sharma, Delhi
March 24, 2013	Differential Global Positioning System (DGPS)	LEICA Elcome, Delhi

### Student's Awards

Ms. Azra Khan, student of M.Plan, batch 2012-13 undertook her M.Plan thesis on "Impact of Irrigation Project on Tribal Settlement - Case Study of Dhar District, M.P." and received the B.N. Prasad best Thesis Award at the ITPI National level and the best thesis award by ITPI M.P. chapter.



Mr. Liju Mathew, student of M.Plan, batch 2012-13, undertook his M.Plan thesis on "Planning for Bicycle Infrastructure - A case study of Gurgaon city" and was adjudged the best paper in the category "Bicycle and pedestrian infrastructure" of the research symposium of 6th Urban Mobility India Conference.



**SCHOOL OF PLANNING AND ARCHITECTURE, BHOPAL**  
**Revised Fee Structure for the Under Graduate Academic Programme-2014 onwards**

INSTITUTE FEE		1st Year Two Semesters	2nd Year Two Semesters	3rd Year Two Semesters	4th Year Two Semesters	5th Year Two Semesters
(A)	Institute Fee	(₹)	(₹)	(₹)	(₹)	(₹)
1	Tuition Fee	32000	32000	32000	32000	32000
2	Examination Fee	2000	2000	2000	2000	2000
3	Identity Card (One Time)	500	-	-	-	-
4	Caution Money (One Time)	5000	-	-	-	-
5	Student Welfare/Activity	2500	2500	2500	2500	2500
6	Sports Fee	1000	1000	1000	1000	1000
7	Enrolment Fee (One Time)	1000	-	-	-	-
8	Migration Fee (One Time)	500	-	-	-	-
9	Student Medical Service	1000	1000	1000	1000	1000
10	Institute Development Fee	2500	2500	2500	2500	2500
11	Library and Information Services	1500	1500	1500	1500	1500
12	Students Training & Placement (One Time)	3000	-	-	-	-
13	Student Blazer	1500	-	-	-	-
14	Alumni (One Time)	1000	-	-	-	-
	<b>Total (For Day Scholar)</b>	<b>55000</b>	<b>42500</b>	<b>42500</b>	<b>42500</b>	<b>42500</b>
(B)	For Hosteller					
15	Hostel Fee/Room Rent including services (for one year) (Excluding food expenses)	12000	12000	12000	12000	12000
	<b>Total (For Hosteller) A+B</b>	<b>67000</b>	<b>54500</b>	<b>54500</b>	<b>54500</b>	<b>54500</b>

**Note :**

- I. Hostel charges will be revised from time to time by SPA Bhopal.
- II. It is mandatory to avail the hostel facility by the under graduate / post graduate students as their classes will be held in Bhauri campus and they will be allotted hostel rooms there only.
- III. As the infrastructure of the institute is under development, the institute provides double seater room to all students. These are provided with security, cable television, high speed internet and equipped with refrigerator, washing machine, water filters, etc. The mess expenses can be paid by the students directly to the vendor in advance. The mess is run under the supervision of the students committee and the institute only facilitates this arrangement between the students and the vendor as per the stated and agreed rules.
- IV. Institute offers a merit-cum-means scholarship in which a monthly scholarship is awarded to students from 2nd year onwards.



## Fee Structure

### SCHOOL OF PLANNING AND ARCHITECTURE, BHOPAL Revised Fee Structure for the Post Graduate Academic Programme-2014 onwards

INSTITUTE FEE		1st Year Two Semesters	2nd Year Two Semesters
(A)	Institute Fee	(₹)	(₹)
1	Tuition Fee	32000	32000
2	Examination Fee	2000	2000
3	Identity Card (One Time)	500	-
4	Caution Money (One Time)	5000	-
5	Student Welfare/Activity	2500	2500
6	Sports Fee	1000	1000
7	Enrolment Fee (One Time)	1000	-
8	Migration Fee (One Time)	500	-
9	Student Medical Service	1000	1000
10	Institute Development Fee	2500	2500
11	Library and Information Services	1500	1500
12	Students Training & Placement (One Time)	3000	-
13	Alumni (One Time)	--	1500
Total (For Day Scholar)		52500	44000
(B)	For Hosteller		
14	Hostel Fee/Room Rent including services (for one year) (Excluding food expenses)	12000	12000
Total (For Hosteller) A+B		64500	66000

### Fee Structure for the Doctoral Programme (Ph.D. in Architecture/Planning)

Institution Fees	In ₹
Enrolment Fee (For 1 <sup>st</sup> year)	20,000
Annual Fee (2 <sup>nd</sup> year onwards) Payable in first month of subsequent year	15,000
Submission Fee of Thesis (Excluding Annual Fees) At the time of Thesis submission	20,000

#### Note :

- I. Hostel charges will be revised from time to time by SPA Bhopal.
- II. It is mandatory to avail the hostel facility by the under graduate / post graduate students as their classes will be held in Bhauri campus and they will be allotted hostel rooms there only.
- III. As the infrastructure of the institute is under development, the institute provides double seater room to all students. These are provided with security, cable television, high speed internet and equipped with refrigerator, washing machine, water filters, etc. The mess expenses can be paid by the students directly to the vendor in advance. The mess is run under the supervision of the students committee and the institute only facilitates this arrangement between the students and the vendor as per the stated and agreed rules.
- IV. Institute offers a merit-cum-means scholarship in which a monthly scholarship is awarded to students from 2nd year onwards.



The refunds on account of Institute Fees, Hostel Charges and Mess Charges, to the candidates who withdraw their admissions after the commencement of session, will be governed by the following refund rules:

#### **Application for Refund :-**

A candidate who has withdrawn his/her admission and seeks the fee refund is required to apply in writing for refund of fees on the date of withdrawal of admission. Under no circumstances, refund will be made without application for such refunds.

#### **Refund Rules of Institute fees for Under Graduate Students :**

- Candidate withdrawing admission from SPA Bhopal and taking admission in other institutes administered by CSAB, the candidate shall be refunded Institute's fee after deduction of ₹ 1000/-, after submission of an application in writing as per CSAB guidelines.
- Candidates withdrawing admission while the process of admission is on may be considered for refund on written request. The refund application will be accepted and refund will be applicable only if the vacant seats can be reported back to CSAB for further admission process. After this only the caution money will be refunded.
- For candidates applying through spot round or any further admission process initiated by CSAB or SPA, Bhopal, the fee refund will not be applicable. Only Caution money will be refunded to the student.

#### **Refund Rules of Institute fees for Post Graduate Students :**

- For candidate withdrawing admission from PG programme and requesting for refund of fee in writing before the last date of submission of fee for the respective admission list, Institute fee will be refunded after deduction of ₹ 1000/- as the processing fee.
- For candidate withdrawing admission from PG programme and requesting for refund of fee in writing after the last date of submission of fee or later for the respective admission list, only caution money and one-time chargeable fee will be refunded.

#### **Refund rules for the Hostel Charges: -**

- If any candidate withdraws his/her admission and avails even one day of lodging, and boarding facilities of SPA Bhopal Hostel, his/her full month hostel & mess charges shall be deducted. Refund shall be made after deducting proportionate monthly charges.
- If any candidate withdraws his/her admission and discontinues the hostel facility in-between the session, refund shall be given to student after deducting hostel charges for the full semester of his/her stay at the hostel.
- No regular student of SPA Bhopal will be allowed to discontinue hostel facility in the middle of the session.

**Note :** For fees of FN/NRI/PIO students, please refer our website [www.spabhupal.ac.in](http://www.spabhupal.ac.in)



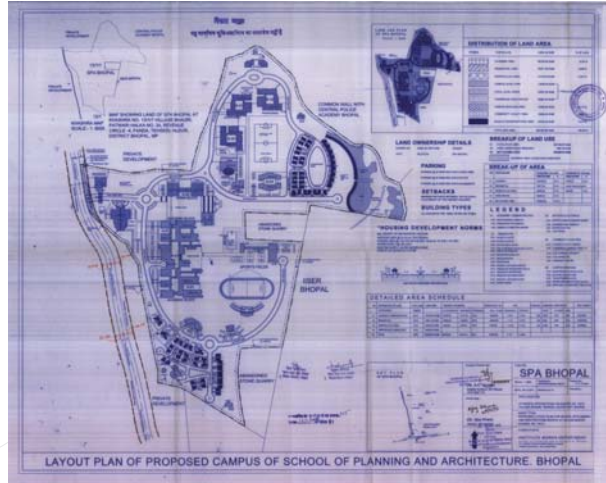
## Institute Works Department (IWD)

The Institute Works Department of SPA, Bhopal was established in August, 2009 for carrying out development activities for the proposed as well as present campus of SPA, Bhopal. Ar. Ajay Kumar Vinodia, Associate Professor, Department of Architecture is heading the responsibilities as "Institute Architect". At Present, all members of IWD has been working very hard for development of proposed campus under able guidance of our Director Dr. Ajay Khare.

Major development activities of SPA Bhopal

### Master plan of SPA Bhopal :

Master Plan for the proposed campus of SPA Bhopal has been prepared by our Institute Works Department (IWD) and also got approved by the TCPO Bhopal. The campus has been planned with integrated approach to create conducive educational environment with nearly 100% on campus residential facilities for students, faculty and administrative staff. This will also have all major campus facilities and amenities with state of art vision,



### Development of Boys Hostel :



### Development of Girls Hostel :



### Faculty Housing (Assistant Professors) :



### Site office and Group-B Staff residences :



### Boys Hostel Block - 2 :

Lift and ramps are introduced to achieve Barrier free design. We have started execution of this building through National Building Construction Company (NBCC) New Delhi. 90% of structural work has been completed and the construction is going on in full swing. The building will be completed in July-2014.

**Student Amenities Center :**

The Student Amenities Center for the proposed campus of SPA, Bhopal has been designed by the IWD, SPA, Bhopal. The main purpose of building is to provide amenities like Gym, Canteen, Post Office, Bank etc. The construction of one of the block of this building is being done through CPWD, Bhopal and they have handed over the building to us in July-2013. Presently, we are using this building for academic activities at Bhauri campus until the proposed academic building will be ready for use.



**Officers and Staff Housing :**



**Main entrance Gate of SPA Bhopal campus**

The Main entrance Gate of campus of SPA Bhopal has been designed by the IWD, SPA Bhopal. The basic idea behind the same was derived from the one of the major element of the Principles of Architecture “THE PROPORTIONS”. Entire design was developed using “GOLDEN SECTION” which also embossed on the right side front wall of the main entry.



**Main Academic Complex :**

The Institute Works Department of SPA, Bhopal had conducted a National level Design Competition for selection of consultant for design of its main Academic complex building. Many leading Architectural firms participated in this two stage design competition in which Chelsea West Architect, New Delhi was selected for designing of our main Academic complex. This 30000 SQM building will accommodate all academic programmes at UG, PG and PhD level. The execution of this building will be started soon by CPWD.



**Brochure Preparation Team :** Ar. Sandeep Sankat, Dr. Devarshi Chaurasia, Ar. Sandeep Arora, Ar. Arvind Meel, Ar. Sushil Kumar Solanki, Mr. Ashish Patil  
(The team acknowledges and thanks to all for contributing in brochure preparation)



School of Planning and Architecture located in central India, in the city of lakes, Bhopal, derives its logo from a semantic element of Malwa Architecture as the background. This interwoven spiral water channel is in shape of a sea-shell and symbolic of 'Mahadev' located in front of Nilkantha Mahadev Temple at Mandu, the capital of Malwa Sultanate. Devotees put flower at the inlet and pray for their wish fulfilment. The water channel depicts the path of struggle in the spirals and relief at the end with wish fulfilment. With the spiral channel as background, the logo uses stylized shape of letters S representing flame, P representing parachute and A representing wave thus representing *Agni, Vayu and Jal*, the elements of Architecture. The Sanskrit shloka at the bottom is the code of conduct specified in the 'Samrangana Sutradhara', whose author is the great king of Bhopal Raja Bhoj and the shloka means, "An architect must be well versed not only in Architecture but also in allied subjects". The complete composition is a welcoming sign for students of Architecture to come and gain knowledge of 'shastras' of Architecture at School of Planning and Architecture, Bhopal.



## योजना एवं वास्तुकला विद्यालय, भोपाल

(मानव संसाधन विकास मंत्रालय, भारत सरकार का स्वायत्तशासी संस्थान)

परिसर : नीलबड़ मार्ग, भौरी, भोपाल - ४६२ ०३०

## School of Planning and Architecture, Bhopal

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