DR. SANDEEP SANKAT

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SUMMARY

Head Department of Architecture, Associate Professor in Architecture with expertise in Architecture, Ekistics, User-Centric Design, Elderly and Built Environment.

SKILLS

Vectorworks, Morpholio Trace, Auto CAD, Revit, 3DS Max.

Photoshop, Corel, Mental Canvas

Sketching, Drawing, Painting

Brief CV

Dr. Sandeep Sankat (Ph.D., Masters in Ekistics, Bachelors of Architecture). is Associate Professor in the Department of Architecture, School of Planning and Architecture, Bhopal (M.P.) India. Prior to this he was Senior Lecturer in F/O Architecture and Ekistics, Jamia Millia Islamia, New Delhi. Commencing his career in mid-nineties he practiced as Architect at his own office "Design Innovations" at Indore (M.P.) India. He did his Ph.D. in the area of "Elderly and Built-Environment". The topic of his Ph.D. is "Creating Inclusive Living Environments in Urban Residences for Indian Elderly". He did his Ph.D. from School of Planning and Architecture, Bhopal, Masters in Ekistics from Faculty of Architecture and Ekistics, Jamia Millia Islamia, New Delhi and Bachelors of Architecture from Madhav Institute of Technology and Science, Gwalior, (M.P.).

He works for the Centre for Human Centric Research (CHCR). He has served as coordinator of the centre and he is member of the centre (CHCR) at School of Planning and Architecture, Bhopal. For his proposal for the concerns towards success of "Sugamya Bharat Abhiyaan" through Universal Design Education, he has been a recipient of Eramus + Global mobility funding in 2016 and he is an Erasmus fellow. He has been awarded with the prestigious national award "NCPEDP MPHASIS Universal Design Award 2016" for his work in the area of accessibility and disability studies focused to universal design. He has published research papers in journals and conference proceedings focused on elderly and built environment, universal design, accessibility and disability studies. He has secured first position and distinction in the bachelors and masters courses. He has been a recipient of gold medal for the masters course of ekistics. Awarded, for the design of accessible toilet (designed following universal design principles) in the category "The Urban Individual Toilet" in the San- Sadhan Hackathon organized by the Department of Empowerment of Persons with Disabilities (Divyangjan) and Ministry of Jal Shakti in association with Atal Innovation Mission, Niti Aayog, Bill & Melinda Gates Foundation. He has also represented SPA, Bhopal with various administrative posts, including, Dean Academics, Head Department of Architecture, Dean Student Affairs, Controller of Examinations etc.

EXPIRIENCE

August 2012 till Present (Current)

Associate Professor and Head Department of Architecture, School of Planning and Architecture, Bhopal

Bhopal, Madhya Pradesh, INDIA

Carried out research-led teaching at different levels of undergraduate, postgraduate, and Ph.D. courses to the Bachelor's, Masters, and Ph.D. students.

Additional administrative responsibilities as assigned in rotation like Dean Academics, Dean Student Affairs, Controller Examinations etc. Currently holding the position of Head Department of Architecture.

August 2009-August 2012

Reader, School of Planning and Architecture, Bhopal

Bopal, Madhya Pradesh, INDIA

Carried out research-led teaching at different levels of undergraduate, and postgraduate courses to the Bachelor's and Masters students.

Additional administrative responsibilities as assigned like; Hostel Superintendent, Student Advisor, Prof. In-charge, Library etc.

February 2008- August 2009

Senior lecturer, Faculty of Architecture and Ekistics, JMI, New Delhi, INDIA

Taught at different levels of undergraduate, and postgraduate courses to the Bachelor's Architecture students and Masters students. Administrative responsibilities as assigned.

February 2001- February 2008

Lecturer Faculty of Architecture and Ekistics, JMI | New Delhi, India

Taught undergraduate-level courses to the Bachelor's Architecture students.

June 1996 – February 2002

Architect Design Innovations(Own Office) | Indore, Madhya Pradesh, INDIA

As Architect designed and supervised construction of few residential and commercial projects.

EDUCATION

2010- 2016
The Ph.D. is done in the area of Older People and Built Environment with the topic, "Creating Inclusive Living Environment in Urban Residences for Indian Elderly.

Abstract:

The aim of this research is to study the situations of Indian older people and to generate a framework to create an inclusive living environment in urban houses for Indian older people. An extensive literature review formulated the base for the theoretical and methodological foundations and understanding aging, associated problems, and international concepts. To begin with, preliminary diagnostic surveys are done to study and establish the need for the creation of inclusive living environments for the Indian older people at all levels of environment design. Then a field survey is performed to identify the challenges that the older people face in the activities of daily living (ADLs) in the Indian context. The survey is done for the upcoming urban housing typologies in India. These upcoming typologies are identified with market survey and scientific layering of the data. Then older people in the age group of 60 to 85 years representing independent elderly, frail elderly, and dependent elderly are studied using environment-behavior research tools, living in joint and nuclear families, in identified urban housing typologies. The collected data from interview questionnaires, audios, traces and photographs, is analyzed in layers to identify twenty environmental issues. Based on these identified issues, analysis and synthesis is done to identify the possibilities of interventions at architecture design level for the built environment in housing. It has been established through testing and validation that the gap can be filled by guidelines to create Inclusive living environments for the Indian older people. Thus, a methodology to develop the guidelines has been prepared. Following this methodology, the guidelines to create "Living Environments for the Indian Elderly" are prepared. Following the developed guidelines, Inclusive living environments in urban residences can be designed for the Indian elderly

2006- 2008
Masters in Ekistics
Faculty of Architecture and Ekistics, JMI, New Delhi, INDIA

1990- 1995
Bachelors of Architecture
Madhav Institute of Technology and Science, Gwalior, INDIA

COURSES
2012
Online Certificate Course in "Universal Design Principles and Practices" in 2012. Conducted by IDeA Center, State University New York, Buffalo
2012
Online Certificate Course in "Home Modification and Universal Design" in 2012. Conducted by IDeA Center, State University New York, Buffalo

PUBLICATIONS

ORICID ID
HTTPS://ORCHID.ORG
0000-0002-7968-5924

Publication, Books

Sankat S. (2019) "Inclusive Living Environment in Urban Residences for Elderly". Publisher: LAP LAMBERT Academic Publishing, ISBN- 978-620-0-24721-6

Guest Editor for the "Design for All" publication of Design for All Institute of India, Volume 12, Issue 04, April 2017

Publications, Journals, Conference Proceedings, Periodicals

Sankat, S. (2015). creating Inclusive Environment for Indian Elderly - An Identification of the Enabling Environmental Issues. Journal of The Indian Institute of Architects, 80 (03), 40-43.

Sankat, S., & Solanki, S. (2015). Realizing Participatory Model of Teaching in Architectural Education: Towards participatory Building Services Studio from Theory-Based Classes. International Journal of Engineering and Technology (IJEIT), 08 (09).

Sankat, S. Sankat, S. (2012). Book Review: Inclusive Housing by Edward Steinfeld. SPANDREL, 164- 165.

Sankat, S. (2017, April). Sugamya Bharat ka Aadhaar, Universal Design Education in India. (S. Sankat, Ed.) Design for All, 12 (04), pp. 25 – 72.

Sankat, S., & Khare, R. (2017, April). Centre for Human-centric research (CHCR) at school of Planning and Architecture, Bhopal. (S. Sankat, Ed.) Design for All , pp. 14 – 22.

Sankat, S., Khare, R., & Solanki, S. (2014). User-Centric Design Using Full Scale Simulation Tool. Design for All, 09 (V).

Sankat, S., Khare, R., & Solanki, S. (2017, April). Universal design Education in Architecture: An Experiential and Simulation Exercise. Design for All, pp. 90 – 111.

Sankat, S., & Rachna, K. (2017, April). Universal design Innovation Center for Heritage. (S. Sankat, Ed.) Design for All, 12 (04), pp. 73 – 89.

Sankat, S., & Khare, R. (2017, April). Exploration of Issues for Indian Elderly through User-centric Design Studio. Design for All, pp. 118 – 131.

Sankat, S. (2014). Creating Enabling Environments for Indian Elderly; Methodology for Identification of Environmental Challenges. In h. C. (Eds.) (Ed.), Universal design 2014: Three Days of Creativity and Diversity (pp. 60-68). Lund, Sweden: IOS Press.

Sankat, S., & Khare, R. (2017). Creating Inclusive Living environments in Urban Residences for Indian Elderly. In G. D. Bucchianico, & P. Kercher (Ed.), Advances in Intelligent Systems and Computing. 500, pp. 413-424. Orlando, Florida, USA: Springer International Publishing Switzerland.

Sankat, S., & Khare, R. (2014). Exploring Issues for Indian Elderly through Intense User Centric Design Studio. In H. C. (Eds.) (Ed.), Universal design 2014: Three Days of Creativity and Diversity (pp. 425 - 426). Lund, Sweden: IOS Press.

Sankat, S., & Torkidsby, A. B. (2018). Achieving Success of "Accessible India campaign" Through Universal design education in India. In G. C. al. (Ed.), Transforming our World Through Design, Diversity and Education (pp. 40 - 55). Dublin, Ireland: IOS Press.

Sankat, S al., N. S. (Ed.). (2017). Bus Rapid Transit (BRTS): A Case Study to investigate it's Use by the Persons with Disability. Advances in Intelligent Systems and Computing, Advances in Human Aspects of Transportation,. 484, pp. 799-809. Orlando, Florida, USA: Springer International Publishing Switzerland 2017

Poster Presentation for the International Conference (selected)

Sankat, S., & Khare, R. (May, 2014). Social Change and Housing for Indian Elderly;craeting Inclusive and Enabling Urban Environment. EDRA 45, Building with Change. Louisiana, New Orleans: EDRA 45.

Sankat, S., & khare, R. (September 2012). Seamless Accessibility at the Religious / Pilgrimage Destinations of India. 13th International Conference on Mobility and Transport for Elderly and disabled Persons, TRANSED 2012 . New Delhi, India.

Sankat, S., & Khare, R. (September 2012). Rethinking Architectural Design in terms of Universal Design - With a Focus on Situations of Indian Elderly. 13th International Conference on Mobility and Transport for Elderly and Disabled Persons, TRANSED 2012. New Delhi, India.

Papers presented in conferences as key note/ expert speaker

Sankat, S., & Khare, R. (June 2012). Rethinking Architectural Design in Terms of Universal Design with a focus on Situation of Indian Elderly. International Conference on universal design UD2012. Lillistrom, Norway.

Sankat, S., & Khare, R. (June, 2012). Seamless accessibility at Religious / pilgrimage Destinations of India. International Conference UD2012 on Universal Design, Lillistrom, Norway. Lillistrom, Norway.

Sankat, S., & Irshad, Q. (Jan 2008). the Quest for an Alternative Approach for Sustainable Cities. 10th International Conference on Human Habitat. Mumbai: Rizvi College of Architecture, Mumbai.

Sankat, S. (December, 2007). Global Environmental Crisis and Islam. ICIAA International Conference on Islamic Art and Architecture, 2007. F/O Architecture and Ekistics.

Sankat, S. (October 2007). Planning of Cities, An alternative Approach. Architecture for Masses, 2007. New Delhi: faculty of Architecture and Ekistics, Jamia millia Islamia.

Sankat, S., & Singh, Y. P. (1996). Architectural Consideration to Achieve Economy in Planning for Low Cost buildings. National conference on Low cost construction. Bhopal: MACT, Bhopal.

Sankat, S. (Feb, 2017). Universal Access - Challenges in designing for Disabilities. 2nd National Conference, SDPS Women's College, Indore. Indore, India: SDPS College Indore.

Sankat, S. (March 2017). sustainable Urban development and Universal Access in Exterior and Interior Built Environment. National Conference on Emerging Trends in Sustainable Urban Development. Gwalior, India: Amity University, Gwalior.

Sankat, S. (March 2017). Infrastructure Development and universal Access in Built Environment. AICTE Sponsored two week STP under QiP on infrastructure development. Gwalior, India: MITS, Gwalior.

Papers presented in conferences as key note/ expert speaker (Webinar)

Sankat, S. (2020, June 22). "Design Thinking in Architecture". Department of Architecture, Mizoram University, Aizawl.

Sankat, S. (2020, July 3). "Universal Access and Design for Inclusive Torism". Institute of Travel and Tourism Management, Gwalior, (M.P.).

Sankat, S. (2020, July 10). "Universal Design and Accessible Heritage Tourism in India". Institute of Travel and Tourism Management, Gwalior.

Sankat, S. (2020, Sep 24). "Disability Inclusive Urban Development, Removing barriers for DiDRR". National Institute of Disaster Management, New Delhi.

Sankat, S. (2020, July 10). Sustainable Narratives for Sustainable Built Environment in Post COVID 19 Conditions". AMITY School of Architecture and Planning, AMITY University, Gwalior, (M.P.).

Sankat, S. (2021, August 26). "Introduction to Access Audits and Universal Design Evaluation Tools. Faculty Development Programme on universal design Approach to Built Environment, MNIT, Jaipur, Rajasthan.

FOREIGN VISITS

Country Visited	Duration of Visit	Purpose of Visit
Germany (Visited Erfurt, Weimer, Casal, Frankfurt and Berlin)	12 days	Under DAAD, Coordinator for the Student exchange programme, with Fachhochschule Erfurt University of Applied Sciences, Erfurt , Germany and F/O Architecture and Ekistics, Jamia Millia Islamia, New Delhi **(Got a proposal to teach for 6 months in FHE, Erfurt, Germany.)**
Norway (Visited Lillistrom)	3 Days	To present two papers at the International conference UD 2012 at Oslo.
Norway (Visited Trondheim, Oslo)	3 days	To be the part of study group to study; 1. The accessible transportation system of Oslo, Norway designed based on Universal Design. 2. The accessible heritage sites of Trondheim, Norway designed based on Universal Design. 3. The accessible landscape site of Trondheim, Norway designed based on Universal Design
Sweden (Visited Lund and Malmo)	3 Days	To participate and present two papers at the International conference UD 2014 at Oslo.
USA, (Orlando, Florida) (Visited New York and Orlando)	7 days	To present two papers at the International conference AHFE 2016, Orlando, Florida, USA.
Norway (Visited Trondheim, Gjovik, Lillehammer)	30 Days	**Erasmus + Global mobility programme, selected for the project to prepare a universal design curriculum.**
Ireland (Visited Dublin and London)	07 Days	To participate and present paper at UDHEIT 2018, an international conference at Dublin, Ireland.
Vietnam (Visited Ho Chi Minh City and Nahtrang)	06 days	To participate in Study in India program, sponsored by the Government of India, organized by the Consulate Journal of India in Vietnam.

AWARDS/ PRIZES/ FELLOWSHIPS

S.No.	Prize/ Award/ Fellowship	Type of award	Institution/ Organizers
1	7th NCPEDP- MPHASIS Universal Design Awards 2016, under Category B: Working Professionals.	National Award for the work in the area of Universal Design	National Centre for Promotion of Employment for Disable People (NCPEDP MPHASIS award 2016)
2	Global Mobility Erasmus + Invited as visiting professor to Norwegian University of Science and Technology (NTNU)	Fellow, Erasmus + Global Mobility programme	Norwegian University of Science and Technology (NTNU)
3	Sansadhan Hackathon 2019, National level competition.	National Level Competition for the Design of Accessible Toilet, in the Urban Individual Toilet Category	Ministry of Jal Shakti, Atal Innovation Mission, Niti Aayog, Department for Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment and Bill & Melinda gates Foundation.
4	Design Educators Award under Project UDita by Mphasis F1 and Avas	National Level Competition for teaching "Universal Design" to the students of Architecture.	Mphasis F1 Foundation and AVAS, along with Ethos Foundation,
5	Venus International Faculty Awards 2017	Award to Faculty	Venus International Foundation
6	Best Architect of Bhopal 2017 by IIA Chapter Madhya Pradesh	Award for the work in the academic field of Architecture.	Indian Institute of Architects, MP Chapter.
7	First Position in the Bachelors Architecture course	First position with distinction	Madhav Institute of Technology and Science, Gwalior.
8	First position, Gold Medal in the Master of Ekistics course	First position with distinction and Gold Medallist	F/O Architecture and Ekistics, Jamia Millia Islamia, New Delhi.
9	Area Development project for Wills World Cup 1996	Certificate of Appreciation	Gwalior Cricket Development Authority, Gwalior.
10	IIA Convention Magazine	Certificate of Appreciation & Medal	IIA M.P. Chapter.
11	National Design Competition	For the design of milk parlour of Vita, Haryana Dairy Development Corporation.	Haryana Dairy Development Corporation
12	Birla white Yuva Ratna Awards 2011	For being team Guide from SPA Bhopal.	Birla White

THESIS GUIDANCE Ph.D. AND UG LEVEL

S. No.	UG/ Ph.D. programme	Number of Students
1	Thesis (Ph.D.) Supervision	At present Supervising 2 Ph.D. student as Guide 1. Ar. Ankit Kumar, Title: "**Framework for Safe Evacuation of Elderly during Fire in High- Rise Residential Buildings in India"** 2. Ar. Ashish Sharma
2	B. Arch. Thesis Guide (Undergraduate Level)	Guided 15 students for B. Arch. Thesis at F/O Architecture and Ekistics, Jamia Millia Islamia, New Delhi
3	B. Arch. Thesis Guide (Undergraduate Level)	Guided 23 students for B. Arch. Thesis at School of Planning and Architecture, Bhopal.

MEMBERSHIPS OF INSTITUTIONS/ SOCIETIES/ PROFESSIONAL BODIES

S. no.	Name of the Professional Institute /Society/Boards	Type of Membership
1.	Council of Architecture, India	Life Member
2.	Indian Institute of Architects, India	Member
3.	Senate, School of Planning and Architecture, Bhopal.	Member
4.	Board of Studies, MITS, Gwalior	Member
5.	Board of Studies, IIITM, Gwalior	Member
6.	Board of Studies, LNCT, Bhopal.	Member

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S. no.	Name of the Professional Institute /Society/Boards	Type of Membership
1.	Council of Architecture, India	**Reg. No. : CA/96/20138** Life Member
2.	Indian Institute of Architects, India	**Reg. No.: A-18329,** Member
3.	Senate, School of Planning and Architecture, Bhopal.	Member
4.	Board of Studies, MITS, Gwalior	Member
5.	Board of Studies, IIITM, Gwalior	Member
6.	Board of Studies, LNCT, Bhopal.	Member

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