

AR. SATYANSHU KUMAR

Assistant professor

Department of Architecture & Landscape Design

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Brief Bio-data:

Ar. Satyanshu Kumar is an Assistant Professor in the Department of Architecture & Landscape Design at Shri Mata Vaishno Devi University, Katra. He is a registered architect and his Council of Architecture Registration No. is - CA/2014/64497. He is also an associate member of The Indian Institute of Architects (A27671). He received his B.Arch. at SMVDU Katra and *Masters Degree* at IIT Roorkee is Currently perusing PHD at SMVDU, Katra, and joined as faculty at smvdu, where he is teaching since March, 2017. He was Assistant Professor at *Lovely Professional University, Jalandhar* from January 2016 to March 2017. He was appointed in as *NATA Test centre-in-Charge*, for Lpu centre (PJ06), in which role he coordinated with the Examination cell of Council of Architecture (COA). He also served as Assistant Professor at *ITM University, Gwalior* from July 2014 to Dec 2015. His main research interests are in the areas of Architecture and Disaster Mitigation & Management. He has focused in the last few years on the research issues in Sustainability Assessment of Buildings, Design and Strengthening of Buildings He has participated and presented research paper in many conferences, Short term courses and Faculty development Programmes . During his Masters at IIT Roorkee, his research project was Multi-Hazard Vulnerability Assessment of Vernacular Buildings in Bihar, by which he tried to identify that whether traditional architecture had disaster responding measures and vulnerability reduction approaches. The study highlights on the knowledge on the preparedness on disasters through technological interventions. Currently during his Phd his area of research is sustainability assessment of high-rise building in composite climate of India.

He also served as Architect in architectural firm, "it's all about design, Gurugram" and worked upon various prestigious projects like, DLF-Magnolias at Gurgaon, penthouse of GPL-Eden Heights-Gurgaon, Singhania Residence at Raipur, FCML Surfaces Showroom at G.K.2 Delhi etc.

Educational Qualifications: B.Arch. (SMVDU), M.Tech. (IIT Roorkee), Ph.D. (Pursuing)

Area(S) Of Interest: Sustainable Architecture, Vulnerability Assessment of Buildings, Design and Strengthening of Buildings

Job Experiences

I. Shri Mata Vaishno Devi University, Katra

Assistant professor (March 29, 2017 – Present)
Department of Architecture & Landscape Design
Shri Mata Vaishno Devi University, Katra

II. Lovely Professional University, Jalandhar

Assistant professor (Jan 06, 2016 – March 16, 2017)
School of Architecture & Design
Lovely Professional University, Jalandhar

III. ITM University, Gwalior

Assistant professor (July 15, 2014 – Dec 31, 2015)
School of Architecture & Design
ITM University, Gwalior

IV. It's all about design, Gurugram

Architect (Sept. 19, 2011 - May 31, 2012)

List of projects worked upon-

1 DLF-Magnolias-Gurgaon-608B	2 DLF-Magnolias-
Gurgaon-609B	
3 DLF-Magnolias-Gurgaon-706A	4 DLF-Magnolias-
Gurgaon-1614B	
5 GPL-Eden Heights-Gurgaon-Penthouse	6 Singhanian-Raipur-
Residence	
7 FCML Surfaces-G.K.2 Delhi-Showroom	

Professional Development

1. PDP on “Implementation of NEP-2020 for University and College Teachers” by IGNOU under UGC approved PMMMNM on teachers and teaching held from 12-20 June, 2023
2. National online training programme on “Design of Building Services and Systems” organised by COA-TRC Bhopal in association with NIT Patna (9th-13th January 2023)
3. FDP & MOOC Certification Course, **with Elite certification** on “Strategies for Sustainable Design” by IIT Hyderabad through NPTEL Jan-Apr 2023.
4. STC on “Planning Strategies for Urban Challenges (PSUC-2022)” organised by NIT Hamirpur during 27th June-1st July 2022.
5. FDP & MOOC Certification Course, **Topper with Gold medal** on “Environmental Impact Assessment” by IIT Roorkee through NPTEL Jan-Apr 2022.
6. Short term Training Programme on “Services in Large Scale Buildings.” Conducted by IIT Kharagpur (July 02 – 04, 2021)

7. FDP & MOOC Certification Course with **silver medal** on “Principles and Applications of Building Sciences” by IIT Roorkee through NPTEL 2020
8. FDP & MOOC Certification Course with **silver medal** on “Sustainable Materials and Green Buildings” by IIT Delhi through NPTEL 2019
9. MOOC Certification Course on “Sustainability in Architecture: An Interdisciplinary Introduction” by Universidad Politecnica de Valencia through Edx.2019
10. Faculty Development Programme on “Research Methodology” 08-12th Oct,2018 organised by Shri Mata Vaishno Devi University, Katra ,Jammu & Kashmir, India.
11. MOOC Certification Course on “Foundation Program in ICT for Education” by IIT Bombay through IITBombayX 2018
12. FDP on “Effective Teaching-Learning in Higher Education” 04-6th July,2018 organised by Shri Mata Vaishno Devi University, Katra ,Jammu & Kashmir, India.
13. MOOC Certification Course on “The Architectural Imagination” by Harvard University through Edx.2017
14. Short Term Course on “Advances in Concrete Composites” 22 - 26 December 2017, Organized by Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab,India.
15. Faculty Development Programme on “Teaching Learning in Architectural Education” 12-14th July, 2017 organised by Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, India.
16. One day training programme on “Punjab Energy Conservation Code(ECBC)” held on 18th march 2017 at Lovely Professional University, Jalandhar.
17. Short term Training Programme on “Sustainable Built Environment; Issues And Options.” at National Institute of Technology, Hamirpur (July 01 – 06, 2016)
18. Training Programme on “Fusion 360 ” at Lovely Professional University, Jalandhar (October 27, 2016)
19. Training Programme on “Building Sense: Sustainable Building Policies, Practices and Performance” at Centre for Science and Environment, New Delhi (October 13 – 14, 2016)
20. Training Programmes on “Live Legendary A Perspective For Better Teaching And A Better Life” and “3DS Max” during the period Jan 01, 2016 to Apr 30, 2016

Workshops/Conferences

1. Attended Online Workshop on “Dynamics & Advances in General Financial Rules & Purchase Processes”, held on August 7, 2021, organised by FDC, SMVD University Under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) Scheme
2. Attended Webinar on "Redefining Smart and Sustainable Human Settlements Post COVID-19", held on May 22, 2020, organised by ASSOCHAM,India

3. Online Workshop on “Recent Advances in science and Technology of Concrete” held on 2nd May 2020, organised by Indian Institute of technology, Madras, India.
4. Member, Organizing Team of International Conference on “Theory of Architectural Design: Global Practices amid Local Milieu”, held from 14th -16th April 2017, organised by Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, India.
5. Member, Organizing Team of Neo-International Conference on “Habitable Environment & International Professional Meet 2016”, held from 11th -13th November 2016, organised by Lovely Professional University, Punjab, India

Research / Consultancy Projects Undertaken:

S.No.	Title	Role	Funding Agency	Current Status
1.	Vetting of Architectural Design for the work of Residential Colony, Bhachau, Gujarat.	CI	Dnova Infracon Pvt. Ltd.,Haryana	2019, Closed
2.	Vetting of structural design for the work 'Drainage Scheme Christian Colony Lower Prem Nagar, Jammu.	Co-CI	JK Infrastructure Development Finance Corporation	2019, Closed
3.	Vetting of Structural Design for the works: “Construction of Drainage scheme Shakti Nagar and its adjoining areas”, Jammu,	Co-CI	JK Infrastructure Development Finance Corporation	2020, Closed

Administrative Responsibilities:

1. Member, University Alumni Affairs committee since January 2018.
2. Member, University admission committee since May 2022.
3. Member, University Anti Ragging Squads since January 2021.
4. Member of administrative committees during 6th & 8th Convocation at SMVDU
5. Member, Organizing Team of International Conference at SoALD in April, 2017.
6. Member, Committee for Stock Verification of central Library at SMVDU
7. Invigilator & Co-coordinator, NATA Exam 2017 at SMVDU.
8. Faculty-in Charge (in absence of HOD, SoALD).
9. Faculty-in Charge, Departmental Time Table and Examination
10. Co-Convener of professional training and placement committee in SoALD, SMVDU.
11. Member, Departmental academic affair Committee from July, 2017.
12. Faculty Coordinator, Compilation of B.Arch Curriculum Revision Work.
13. Departmental MOODLE Implementation Coordinator
14. Co-Convener of RAPTAC committee in SoALD, SMVDU.
15. Coordinator of Admission, Registration, Alumni & LMS in SoALD, SMVDU

Publications

Research Publications:

1. **Kumar, S**, Gupta A, Gupta N, Sharma A and Dutta S., (2023). Multi-hazard Vulnerability of the Vernacular Houses of Supaul, Bihar, India, Journal of the International Society for the Study of Vernacular Settlement, Vol. 10, no.4, ISSN No. 2738-2222 (*Scopus Indexed*)
2. Dutta S, Khajuria, A, **Kumar, S** and Gupta V., (2022). An Insight into Himalayan Vernacular Architecture: The KathKhuni Style of the Kullu Region, India, Journal of the International Society for the Study of Vernacular Settlement, Vol. 9, no.5, ISSN No. 2738-2222 (*Scopus Indexed*)
3. Dutta S, Sharma, A.K, Kaur A, Hazarika A. K, Dutta S, Koduru S, Mohan K, **Kumar, S.** and Parashar N, (2022). A methodology to delineate peri-urban settlement typology in the context of Chandigarh region, Journal of Tianjin University, Vol:55 Issue:06:2022, ISSN No. 0493-2137 (*Scopus Indexed*)
4. Thapa A, Sharma, A.K and **Kumar, S.**, (2022). Understanding Vernacular Architecture in terms of Sustainability: Lessons from Turkey and India, Journal of the International Society for the Study of Vernacular Settlement, Vol. 9, no.1, ISSN No. 2738-2222 (*Scopus Indexed*)
5. **Kumar, S.**, Garg, R. and Sharma, A.K. (2019). Need of Multi-Hazard Risk Mitigation in Bihar. International Journal on Emerging Technologies, 10(3): 276–280. ISSN No. (Print) : 0975-8364 (*Scopus Indexed*)
6. Gupta Abhiney, **Kumar Satyanshu**, Garg Harshita, “Role of Architecture and Aesthetics in designing Therapeutic Spaces”, published IJETSR, Volume 4, Issue 12, December 2017, ISSN 2394-3386

Conference Publications:

1. Kumari Pooja, **Kumar Satyanshu**, “Behavioral Dimension In Designing Built Environment For Autism”, published in 6th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET) on January 17-18, 2020, Shri Mata Vaishno Devi University, Katra ISBN 9789386240767 (conference paper presentation)
2. **Kumar Satyanshu**, Gupta Abhiney, Vishwakarma Kumar Rajesh, “Multi-Hazard Vulnerability of Vernacular Buildings in Supaul, India”, published in 4th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET) on November 3-4, 2017, Shri Mata Vaishno Devi University, Katra ISBN 978-93-86074-31-7
3. Gupta Abhiney, **Kumar Satyanshu**, Vishwakarma Kumar Rajesh, “Promoting Green Architecture through Energy-Efficient Planning: A Step towards

Sustainability”, published in 4th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET)" on November 3-4, 2017, Shri Mata Vaishno Devi University, Katra ISBN 978-93-86074-31-7

4. Vishwakarma Kumar Rajesh, Kumar Satyanshu, Gupta Abhiney, “The drainage system of India’s cities”, published in 4th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET)" on November 3-4, 2017, Shri Mata Vaishno Devi University, Katra ISBN 978-93-86074-31-7
5. **Kumar Satyanshu**, Vishwakarma k Rajesh, Gupta Shishant, “*Urban Lakes and Wetlands: Opportunity and Challenges in Indian cities*”, published in the Neo-International Conference on Habitable Environment & International Professional Meet 2016, held from 11th -13th November 2016, organised by Lovely Professional University, Punjab, India.

Invited Lectures/Gust/Jury member

1. Delivered lecture on “Whole Building Design Approach for Sustainable Built Environment” as a resource person during 5 day online FDP organised by COA-TRC Bhopal & NIT Patna held from 17-21st july, 2023.
2. Invited as esteemed gust during 65th ANNUAL NASA CONVENTION conducted from 9th to 12th June, 2023 at Lovely School of Architecture and Design, LPU,Jalandhar.
3. Invited as an external expert for ETP viva voce of B.Architecture Architectural Design Course ARC312 on Dated ,03 june 2023 - 04 june 2023 at Lovely School of Architecture and Design, LPU,Jalandhar.
4. Judge for events during Resurgence 2017& 2018- Annual Cultural and Literary Festival of SMVDU, Katra

Other Achievements

1. Eligible for central counseling in AIEEE-2006.
2. Qualified in GATE-2011.

Skills

Auto CAD, Arc GIS, Design Builder, Fusion 360,Photoshop, ArchiCAD,Ravit,Sketch-up, MS Office

References

Dr. Mahua Mukherjee
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