

## Curriculum Vitae

### **Prof. Dr. Amitava Sarkar**

Professor,

Department of Architecture,

**School of Planning and Architecture, Vijayawada**

(An Institute of National Importance, under the Ministry of Education, Govt. of India)

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### ❖ Academic Qualification:

Degree	Stream/ Specialization	Year of passing	University/ Institution
<b>Ph.D.</b>	Architecture	2016	Jadavpur University, Kolkata
<b>M.C.P.</b>	City Planning	2002	Indian Institute of Technology, Kharagpur (W.B.) (MHRD - GATE Scholarship)
<b>B.Arch.</b>	Architecture	2001	Adhiyamaan College of Engineering, Hosur (T.N.) University of Madras

### ❖ Professional Experience:

Position/ Designation	Name of Institution	From	To
Professor	School of Planning and Architecture, Vijayawada A.P. - 520008	16/02/2026	Till date
Associate Professor	School of Planning and Architecture, Vijayawada A.P. - 520008	15/01/2019	15/02/2026
Assistant Professor	National Institute of Technology, Hamirpur H.P. - 177005	23/08/2006	11/01/2019
Lecturer	Adhiyamaan College of Engineering, Hosur (T.N.)	04/08/2003	11/08/2006
Project Planner	Department of Architecture & Regional Planning, Indian Institute of Technology, Kharagpur (W.B.)	01/02/2003	30/04/2003

### ❖ Area of Research Interest:

Bio-climatic architecture; Vernacular architecture; Energy efficient architecture; Building energy modeling, Thermal comfort; Indoor air quality, Building envelope optimization; City planning; Housing; Daylight optimization

### ❖ Subjects Taught:

S. No.	UG Level	PG Level
1	Architectural Design Studios (all semesters)	Energy Efficient Architecture
2	Climate and Built Environment	Housing
3	Theory of Architecture	Resource Conservation and Efficiency
4	History of Architecture	Solar Passive Architecture
5	Introduction to Town Planning / Theory of Settlement Planning	Post Occupancy Evaluation of Buildings
6	Urban Design	Smart Materials for Green Buildings
7	Building Services	Building Physics and Sustainability
8	Building Materials and Construction	People, Environment and Buildings
9	Disaster Resilient Buildings	Traditional Wisdom and Sustainability Concepts
10	Site Planning	Dissertation
11	Urban Housing	

### ❖ Professional Membership:

1. Registered Architect, Council of Architecture, India
2. Associate Member, Indian Institute of Architects, India
3. Associate Member, Institute of Town Planners, India

### ❖ Publication (Papers published in Peer-reviewed National / International Journals and Conferences and Books):

(Total Citations: 224, H Index = 7, I-10 Index = 6; Source: Vidwan-ID: 92551; Google Scholar ID: XXuUGjYAAAAJ; SCOPUS ID: 56424959600; Web of Science Researcher ID: ABC-4681-2021, ORCID ID: 0000-0003-3870-2625)

### Papers published in National / International Journals:

1. Birkad, S., **Sarkar, A.** (2025). Designing kinetic façade for an office building in warm and humid climate to improve the daylight quality – an integrated computational approach. *International Journal of Research -GRANTHAALAYAH*, 13(11), 77–99. ISSN(O): 2350-0530/ ISSN(P): 2394-3629. DOI: 10.29121/granthaalayah.v13.i11.2025.6501
2. Kumar, SVK., **Sarkar, A.**, R Srikonda, R., Rao KM. (2025). Spiritual anatomy and vernacular spatial autonomy - the case of Ghantasala village, Andhra Pradesh. *Indian Journal of Traditional Knowledge*. 24(5): 457-464. ISSN: 0972-5938 (Print), E-ISSN: 0975-1068. DOI: 10.56042/ijtk.v24i5.9042

3. **Sarkar, A.**, Panicker, J.M. (2024). Passive Designs and Thermal Performance of the Temples in the Warm-Humid Climatic Zone of South India. *ShodhKosh: Journal of Visual and Performing Arts*. 5(1): 2361–2382. E-ISSN: 2582-7472. DOI: 10.29121/shodhkosh.v5.i1.2024.2374
4. Panicker, J.M., **Sarkar, A.** (2024). Passive Design Strategies and Thermal Performance of Vernacular Temples in the Warm-Humid Climatic Zone of South India. *ISVS e-journal*. 11(10): 1–22. E-ISSN: 2738-2222. DOI: 10.61275/ISVSej-2024-11-10-01
5. Modak, S., **Sarkar, A.** (2024). Impact of Vertical Green Walls on Thermal Performance of Built Environment in Tropical Climate: A Case of Vijayawada. In: A. Varma et al. (eds.), Proceedings of the 2nd International Conference on Trends in Architecture and Construction, *Lecture Notes in Civil Engineering*. 527: 95-110. Springer Nature. ISBN: 978-981-97-4987-4. DOI: 10.1007/978-981-97-4988-1\_7
6. Chadalavada, K., **Sarkar, A.**, Srikonda, R. (2024). Environmental Impact Assessment of Using Vernacular Materials for Sustainable Developments: Insights from an Eco-Sensitive Resort in India. *ISVS e-journal*. 11(8): 93-107. E-ISSN: 2738-2222. DOI: 10.61275/ISVSej-2024-11-08-07
7. **Sarkar, A.** (2024). Comparative assessment of the energy performance index of modern urban and traditional rural housing in lower Himachal Pradesh, India to develop prediction model. *Environ Dev Sustain. Springer Nature*. ISSN (Online): 1573-2975. DOI: 10.1007/s10668-024-05594-2
8. **Sarkar, A.**, Jha, P. (2024). Assessment of operative energy optimization in case of haveli-turned-hotels located in composite climate zone of India. *Int J Civ Eng Archit Eng*. 5(1): 13-27. P-ISSN: 2707-8361, E-ISSN: 2707-837X. DOI: 10.22271/27078361.2024.v5.i1a.47
9. Kharshiing, M., **Sarkar, A.** (2024). Holistic integration of smart technologies for sustainable urban development: a comprehensive analysis of smart cities. *Journal - CASS Studies*. 7(2): 1-25. ISSN: 2581-6403. <https://heb-nic.in/cassarc>
10. Kar, Z., **Sarkar, A.** (2017). Exploring the role of Environment-Behaviour Studies (EBS) in residential architecture - from literature review to field study. *International Research Journal of Engineering and Technology*. 4 (11): 409 – 418. E-ISSN: 2395-0056. P-ISSN: 2395-0072.
11. **Sarkar, A.**, Bose, S. (2017). Evaluating the Effect of Building Envelope on Thermal Performance of Houses in Lower Himachal Pradesh. In: Seta, F., Sen, J., Biswas, A., Khare, A. (eds) From Poverty, Inequality to Smart City. *Springer Transactions in Civil and Environmental Engineering*. pp143-159. Springer, Singapore. Print ISBN: 978-981-10-2139-8. DOI: 10.1007/978-981-10-2141-1\_10
12. **Sarkar, A.**, Bose, S. (2016). Exploring impact of opaque building envelope components on thermal and energy performance of houses in lower western Himalayans for optimal selection. *Journal of Building Engineering*. 7: 170-182. Elsevier. ISSN: 2352-7102. DOI: 10.1016/j.jobee.2016.06.009
13. **Sarkar, A.**, Bose, S. (2015). Thermal performance design criteria for bioclimatic architecture in Himachal Pradesh. *Current Science*. 109(9): 1590-1600. ISSN: 0011-3891. DOI: 10.18520/v109/i9/1590-1600
14. Chandel, S.S., **Sarkar, A.** (2014). Performance assessment of a passive solar building for thermal comfort and energy saving in a hilly terrain of India. *Energy and Buildings*. 86: 873-885. ISSN: 0378-7788. Elsevier. DOI: 10.1016/j.enbuild.2014.10.035
15. **Sarkar, A.** (2014). Analysing the urban quality of upper bazaar: a key public realm in Hamirpur, Himachal Pradesh, India. *Creative Space*. 2(1): 1-15. ISSN: 2321-3892. DOI: 10.15415/cs.2014.2101
16. **Sarkar, A.** (2013). Study of climate responsive passive design features in traditional hill architecture of Khyah Village in Hamirpur, Himachal Pradesh, India for indoor thermal comfort. *J. Inst. Eng. India Ser. A*. 94(1): 59–72. Springer. ISSN: 2250-2149. DOI: 10.1007/s40030-013-0033-z
17. **Sarkar, A.**, Chandel, S.S. (2011). Solar passive design recommendations Case study: Office building in Mandi, Himachal Pradesh. *Journal of the Indian Institute of Architects*. 78(10): 21-27. ISSN: 0019-4913.
18. **Sarkar, A.** (2011). Adaptive climate responsive vernacular construction in high altitude. *Int J of Arc and Env Eng*. 5(12): 761 - 765. ISSN: 1307-6892. DOI: 10.5281/zenodo.1062888

19. **Sarkar, A.** (2011). Possibility of saving energy by shading of buildings in hill region. *ABACUS- Journal on Architecture, Conservation and Urban studies*. 6(2): 21-27. ISSN: 0973-8339.
20. **Sarkar, A.,** Sharma, S. (2011). Climate responsive features in the traditional shelter design in high altitude. *Architecture – Time, Space & People - Council of Architecture, India*. 11(8): 16-25.
21. **Sarkar, A.** (2010). A methodology for energy-efficient shelter design with bioclimatic design tools. *The IUP Journal of Architecture*. 2(2): 7-23. ISSN: 0975-5543. <https://ssrn.com/abstract=1668440>
22. **Sarkar, A.** (2010). Enhancing productivity of the educational institutions by holistic interior design. *Architecture – Time, Space & People - Council of Architecture, India*. 10(12): 18-23.
23. **Sarkar, A.** (2009). Human habitation in hilly terrains – site-selection criteria. *CJI – Construction Journal of India*. (March): 14-16.
24. **Sarkar, A.** (2008). Siting of human settlements in hilly terrains. *Architecture – Time, Space & People - Council of Architecture, India*. 8(12): 40-48.
25. **Sarkar, A.** (2008). From space-creation to place-making. *Architecture – Time, Space & People - Council of Architecture, India*. 8(5): 20-24.
26. **Sarkar, A.,** Kapoor, N. (2007). Emergency architecture – an emerging profession. *Architecture – Time, Space & People - Council of Architecture, India*. 7(3): 34-39.
27. **Sarkar, A.,** Kapoor, N. (2007). Community based disaster preparedness. *CJI – Construction Journal of India*. 2007; (April): 50-54.

#### Peer reviewed Books published:

1. **Dr. Amitava Sarkar,** Ar. Simi Sathyan. (2025). “*Role of Vertical Fenestration Design for Enhancing Daylighting in Office Buildings - In Composite Climate*”. AkiNik Publications, Delhi, India. Paperback ISBN: 978-93-6135-705-3. DOI: 10.22271/ed.book.3447
2. Ar. Zinia Kar, **Dr. Amitava Sarkar.** (2024). “*Environment Behaviour Studies in Residential Architecture: A Post Occupancy Evaluation of Low-Income Group Apartments*”. AkiNik Publications, Delhi, India. ISBN: 978-93-6135-434-2. DOI: 10.22271/ed.book.3004
3. **Amitava Sarkar.** (2017). “*Adaptive thermal comfort standard for houses in composite climate*”. Lambert Academic Publishing, Germany. ISBN: 978-3-330-05247-5

#### Peer reviewed Chapters published:

1. **Amitava Sarkar,** Shivani Dolas, Shrinivas Modak. (2026). “Investigating the potential of alternate building envelope techniques for naturally ventilated buildings in tropical climate: a case of Vijayawada, India”. In (eds.), *Proceedings of the International Conference on “Architecture & Design of Built Environment– 2024 (ADoBE`24)”*. Woxsen University, Telengana. (Springer Nature - In press)
2. **Amitava Sarkar,** Mebanshembha Kharshiing. (2026). “Appreciation of the Quality of the Public Realm in the Commercial Spine of Shillong through Visual Survey”. In: (eds.), *Proceedings of the 3rd International Conference on Trends in Architecture and Construction*, Lecture Notes in Civil Engineering. (Springer Nature – In press)
3. Mebanshembha Kharshiing, **Dr. Amitava Sarkar.** (2026). “Identifying Urban Ventilation Corridors in Vijayawada, Andhra Pradesh: Analysing the Impact of Urban Morphology on Wind Flow Pattern”. In: (eds.), *Proceedings of the 3rd International Conference on Trends in Architecture and Construction*, Lecture Notes in Civil Engineering. (Springer Nature – In press)
4. **Dr. Amitava Sarkar.** (2026). “The Assessment of Return on Investment for Robotic and Automated Construction Technologies when Compared to Conventional Construction Practices”. In: (eds.), *Proceedings of the Architecture & People International Conference – APIC 2026*, Rizvi College of Architecture, Mumbai, India. (Copal Publishing Group, India - Scopus-indexed edited book volumes –

*In press*)

5. Akash M., **Amitava Sarkar**. (2026). "Evaluating energy efficiency and solar energy integration in residential villas – a case of Hyderabad, India". In: (eds.), *Proceedings of the First International Conference on Art, Architecture & Urban Studies - ICAAUS 2025*, Sushant University, Gurugram, India. (Copal Publishing Group, India - *Scopus-indexed edited book volumes – In press*)
6. **Amitava Sarkar**, Karanam Hari Prasad. (2025). "Developing energy-positive residential prototype for low-income group housing located in warm and humid climatic zone of India". In (eds.), *Proceedings of the ZEMCH 2024 International Conference, VIT- School of Architecture, Tamil Nadu, India*, 1226-1245. ISSN: 2652-2926. [https://www.zemch.org/zemch\\_conference\\_proceedings](https://www.zemch.org/zemch_conference_proceedings)
7. **Amitava Sarkar**, Karanam Hari Prasad. (2025). "Modular Solar-Passive Design Approach in Mass Housing for Economically Weaker Sections Sited in Warm-Humid Climate of India". In (eds.), *Proceedings of the ZEMCH 2024 International Conference, VIT- School of Architecture, Tamil Nadu, India*, 491-501. ISSN: 2652-2926. [https://www.zemch.org/zemch\\_conference\\_proceedings](https://www.zemch.org/zemch_conference_proceedings)
8. Amitava Sarkar, Shrinivas Modak. (2024). Chapter-5: "Green Roofs as a Tool towards Sustainable Ecosystems with its Performance in the Built Environment: A Literature Review". In: S. Sathish (Ed.), *Advances in Civil Engineering (Volume - 9)*, AkiNik Publications®, Delhi, India. pp. 83-103. ISBN: 978-93-6135-845-6. DOI: 10.22271/ ed.book.2740
9. Zinia Kar, Amitava Sarkar. (2017). "Application of Environment-Behaviour Studies (EBS) in Residential Architecture – a literature review". In: A.K. Sharma, J.K. Gupta (Eds.), *Proceedings of the International Conference on "Theory of Architectural Design: Global Practices Amid Local Milieu"*, 14th-16th April-2017, SMVD University, Katra Jammu & Kashmir, India, pp. 113-126. ISBN: 978-93-5260-628-3 (McGraw Hill Education)
10. Amitava Sarkar, Shivashish Bose. (2015). "Comparative analysis of the thermal comfort and sustainability performance of traditional and modern buildings in the lower Himalayan region of Himachal Pradesh, India". In: M. Mani, P. Kandachar (Eds.), *Design for Sustainable Well-being and Empowerment*, IISc, Bangalore Press and TU Delft, Netherlands; pp. 475-489. ISBN: 978-81-925707-1-6
11. Amitava Sarkar. (2013). "Evaluation of impact of solar passive building design recommendations on energy-efficiency of an office building using building simulation tool". In: S. Palaniappan, A. Mahalingam (Eds.), *Proceedings of the International Conference on "Advances in Building Sciences"*, BTCM, Indian Institute of Technology, Madras, 13-16 February, 2013, pp. 145-154. ISBN: 978-93-80689-11-1
12. Amitava Sarkar. (2012). "Shading of buildings: a cost-effective solution for saving energy in hot tropical regions". In: C. Kabre, U. Pottgiesser, J.P. Sharma (Eds.), *Proceedings of the National Conference on "Energy Efficient Design of Buildings & Cities"*, DCRUST, Murthal, Haryana, India & HSOWL - Detmold, Germany, 6-7 February, 2012, pp. 315-325. ISBN: 978-93-5067-137-5
13. Amitava Sarkar. (2011). "Impact of shading on energy-efficiency of buildings: an analysis by building simulation tool". In: S. Bahga, S. Bahga, A. Chaudhary (Eds.), *Contemporary Architecture- Beyond Corbusierism*, Indian Institute of Architects, pp. 290-298. ISBN: 978-935059-002-7 (Macmillan publishers, India)
14. Amitava Sarkar. (2010). "A study of bio-climatic design tools to design energy-efficient buildings". In: M. Jain, S. Bagha, I.P. Singh, A. Chaudhary (Eds.), *Proceedings of the International Conference on "Urbanism and Green Architecture"* (UGA-2010), National Institute of Technology Hamirpur (H.P.), India, pp. 57-64. ISBN: 978-81-920315-0-7 (Wellworth Books International, New Delhi)
15. Amitava Sarkar. (2009). "A methodology for energy-efficient shelter design in hilly areas". In: R. Parti et al. (Eds.), *Proceedings of the Civil Engineering Conference – Innovation without Limits (CEC-09)*, National Institute of Technology Hamirpur (H.P.), India, pp. 250-257. ISBN: 93-80043-34-1 (Excel India publishers, India)

### Full Papers in Conference Proceedings (Peer reviewed):

1. Amitava Sarkar, Shivani Dolas, Shrinivas Modak. (2024). “*Investigating the potential of alternate building envelope techniques for naturally ventilated buildings in tropical climate: a case of Vijayawada, India.*” International Conference on “Architecture & Design of Built Environment– 2024 (ADoBE`24)”, June 6-7, 2024, Woxsen University, Telengana.
2. Amitava Sarkar, Pooja Jha. (2024). “*Revitalizing heritage hotel of Rajasthan, India to reduce operational energy demand*”. International Conference on “Architecture and Landscape Planning Applications (ICALPA - 2024)”, IIERD, Dubai, UAE, February 5-6, 2024.
3. Mebanshembha Kharshiing, Amitava Sarkar. (2024). “*Enhancing tourism infrastructure in Majuli, Assam: architectural interventions for sustainable development*”. National Conference on “Planning & Architecture for Hill Regions (PAHR-2024)”, May 15-16, 2024, NIT Hamirpur, H.P.
4. Amitava Sarkar, Shivashish Bose. (2014). “*Comparing the thermal performance of traditional and modern houses in lower Himachal Pradesh, India in winter months*”. In: K. Mitra (Ed.), Proceedings of the National Symposium on “Sustainability and the Built Environment: Searching for Synergies”, Indian Institute of Science, Engineering and Technology (IEST), Shibpur, India, 21-22 February, 2014, pp. 9-15.
5. Amitava Sarkar. (2011). “*Appropriate comfort standards for sustainable living environment*”. In: R. Kumar (Ed.), Proceedings of the International Conference on “Rapid Advances in Sustainable Architecture”, Apeejay College of Fine Arts, Jalandhar, India, 26-27 August, 2011, pp. 15-19. ISSN: 2249-4480
6. Amitava Sarkar. (2008). “*Energy-efficient shelter design for the Kangra-valley, Himachal Pradesh*”. In: S. Chattopadhyay, O. Ural (Eds.), Proceedings (CD) of the 36th IAHS World Congress on Housing Science, Indian Institute of Technology, Kharagpur, India, 3-7 November, 2008, pp. 57-64. ISBN: 81-902768-7-5 (Cygnus Publication, Kolkata)

### ❖ Thesis Guidance:

Ph. D. Level: Two (ongoing)

PG level: More than 20 nos.

UG Level: More than 45 nos.

### ❖ Consultancy Projects:

Period	Role	Sponsoring Organization	Nature of Work/ Project title
2019-2022	Co-PI – Project Team Member	DTCP, Govt. of Andhra Pradesh	Preparation of GIS based Master Plan for AMRUT town ELURU (Package-1) Project Cost: Rs. 25 lacs
2012	Co-PI	Industrial Training Institute, Hamirpur, Govt. of Himachal Pradesh	Preparation of Architectural Drawing for the Academic Block at ITI, Bani, Hamirpur (H.P.) Project Cost: Rs. 65 lacs
2012	Co-PI	Industrial Training Institute, Hamirpur, Govt. of Himachal Pradesh	Preparation of Architectural Drawing for the Academic Block at ITI, Bhoranj, Hamirpur (H.P.) Project Cost: Rs. 55 lacs

2012	Co-PI	Regional Forensic Science Laboratory, Mandi, Department of Home, Govt. of Himachal Pradesh	“Solar passive building technology design recommendations for Regional Forensic Science Laboratory at Bheuli, Mandi, Himachal Pradesh” Project Cost: Rs. 2 lacs
2008 -2010	PI	National Institute of Technology Hamirpur (H.P.)	Preparation of Architectural Drawing for the Estate office-NIT-Hamirpur (H.P.) with Bank and Post-office Project Cost: Rs. 95 lacs
Feb, 2003 to April, 2003	Project Consultant	Funded by United Nations Development Program (UNDP), through Department of Architecture & Planning, Indian Institute of Technology, Kharagpur (W.B.)	Conduction of Pilot Survey of Siliguri town and preparation of Report under ‘Development of Urban Indicator Programme’. Principal coordinator: Prof. B.K. Sengupta, Professor, Department of Architecture and Regional Planning, IIT-Kharagpur

❖ **Winter/ Summer Schools/ Short Term Course (STC) Conducted:**

S. No.	Name of Course	Role	Period		Name of Sponsor
			From	To	
	One Day Workshop on “ <b>Urban Housing Dynamism and Future Trends</b> ”	Co-coordinator	11/04/2025	11/04/2025	SPA Vijayawada
1	5-Days Hands-on Bamboo workshop on “ <b>Hyperbolic paraboloid structures</b> ”	Co-coordinator	21.03.2024	25.03.2024	SPA Vijayawada
2	International Conference on “ <b>Resilient and Liveable City Planning, 2020 – Transforming Urban Systems (RLCP 2020)</b> ”	Secretary (Finance)	07/10/2020	10/10/2020	SPA Vijayawada
3	Summer School on “ <b>Energy Efficient Building Systems</b> ”	Coordinator	26/07/ 2010	30/07/ 2010	AICTE / MHRD, Govt. of India
4	Winter School on “ <b>Intelligent Building System for Urban &amp; Rural Areas</b> ”	Coordinator	22/02/2010	26/02/2010	AICTE / MHRD, Govt. of India
5	STC on “ <b>Design &amp; Planning Considerations for Hill Areas</b> ”	Coordinator	23/11/2009	27/11/2009	TEQIP, NIT, Hamirpur (H.P.)
6	National workshop on the “ <b>Sustainable Development for the Hill Areas</b> ”	Coordinator	31/10/2008	01/11/ 2008	NIT, Hamirpur (H.P.)
7	STC on “ <b>Cost-Effective Building Construction Techniques</b> ”	Coordinator	28/07/2008	01/08/2008	TEQIP, NIT, Hamirpur (H.P.)
8	STC on “ <b>Planning for Built Environment in Hill Region</b> ”	Co-coordinator	05/06/2007	09/06/2007	TEQIP, NIT, Hamirpur (H.P.)

❖ **Winter/ Summer Schools/ Short Term Course (STC) Attended:**

S. No.	Name of Course	Place and Institution	Duration	
			From	To
1	One day workshop for “Capacity Building on Specific Learning Disabilities (SLD)”	NIEPA, New Delhi, Ministry of Education	10/01/2025	10/01/2025
2	Attended National Conference on “Techno-Traditional Indian Knowledge Systems for Eco-Sensitive Coastal Settlement Planning”	SPAV Campus jointly organized with Institute of Town Planners, India (ITPI)	26/09/2024	27/09/2024
3	Attended 5-Days “Nurturing Future Leadership Program”	IIM Kolkata, under Ministry of Education	29/07/2024	02/08/2024
4	ATAL FDP on “Building Life and Fire Safety”	Conducted by SPA Delhi through Online mode	07/09/2021	26/09/2024
5	FDP on “Urban Dynamics and Climate Resilience”	SPA Vijayawada	28/11/2020	03/12/2020
6	FDP on “Communicating Research and Open access Publishing CROP2019”	SPA Vijayawada	17/06/2019	21/06/2019
7	“Characterizing the uncertainties in climate change impacts assessment for water resources”	GIAN-MHRD & NIT-Hamirpur (H.P.)	22/02/ 2016	26/02/ 2016
8	Workshop on “Energy Simulation of Buildings for LEED and ECBC”	International Institute of Information Technology, Hyderabad	14/05/ 2011	17/05/ 2011
9	“Application of Global Trends in Renewable Energy Sources”	NIT-Hamirpur (H.P.)	20/09/2010	24/09/2010
10	“Urbanism: Beyond Evolution & Transition”	National Institute of Advanced Studies in Architecture, Pune	04/01/ 2010	08/01/2010
11	“Green Architecture and Carbon free Living”	Indian Institute of Technology, Kharagpur	18/12/2009	24/12/2009
12	“Induction Training Program (ITP-2007)”	NIT-Hamirpur (H.P.)	22/09/2007	23/09/2007
13	“Environmental Hazards”	NIT-Hamirpur (H.P.)	09/07/2007	13/07/2007
14	“Gen_5 Architecture”	National Institute of Advanced Studies in Architecture, Pune	28/05/2007	01/06/2007
15	“Earthquake Resistant Design & Construction”	NIT-Hamirpur (H.P.) under NPCBAERM	30/09/2006	04/10/2006

❖ **Additional Administrative responsibilities and Outreach Activities:**

S. No.	Period	Designation	Organisation	Nature of Responsibility
1	01/03/2024-till date	Chairperson – Institute Purchase Committee	SPA Vijayawada	Institute purchase matters as per the GFR-2017 guidelines
2	18/05/2023–09/07/2025	Dean Faculty Welfare	SPA Vijayawada	As per SPAV Statutes
3	24/09/2020 - 15/02/2023	Dean Student Affairs	SPA Vijayawada	As per SPAV Statutes
4	01/06/2019 - 28/10/2020	Registrar I/c	SPA Vijayawada	As per SPAV Statutes
5	01/07/2024	Adhoc Selection Committee member	SPA Vijayawada	For selection to the post of Assistant Professor (on Contract) in the Department of architecture.
6	16/06/2025-21/06/2025	Member JAAP - PG Admission 2025	SPA Vijayawada	To conduct panel interview for joint PG admission at SPAs
7	18/04/2024	Member – PHD Admission Selection Committee	SPA Vijayawada	For the Ph.D. admission in Architecture for the A.Y. 2024-25.
8	26/03/2024	Member – CPDA Guidelines preparation Committee	SPA Vijayawada	To frame the CPDA guidelines for the Block Period 1 <sup>st</sup> April, 2024 to 31 <sup>st</sup> March, 2027 for effective implementation at SPAV
9	06/03/2024	8 <sup>th</sup> Convocation of SPAV - Lead – Protocol and Invitation Committee	SPA Vijayawada	Design and arrangements of invitation and protocol for graduands, dignitaries, guests, etc. regarding the 8 <sup>th</sup> Convocation of SPAV held on 17/10/2024
10	29/02/2024	FIC-Club I/O and Committee In-charge for IT, Media/ Press – INYAN 2024	SPA Vijayawada	Club activities; Sending out press releases and efforts towards publishing of INYAN in media; To coordinate with Committee no. 2 to capture the event as a repository for the institute, updating the SPAV website with IT support
11	12/02/2024	Committee member	SPA Vijayawada	Preparation of contract faculty requirement and shortage in the Department of Architecture.
12	08/01/2024	B.Arch. Programme Coordinator	SPA Vijayawada	B.Arch. Programme Coordinator for the Even Semester, A.Y. 2023-24
13	29/12/2023	Member – Grievance Cell	SPA Vijayawada	To look after all the grievances/ complaints received from employees of SPAV and put-up its recommendations to the Competent Authority after examining the grievances as required.
14	04/12/2023	7 <sup>th</sup> Convocation of SPAV - Member – Food Committee	SPA Vijayawada	Arrangements of all refreshments for graduands, dignitaries, students, guests, volunteers, etc. on the day of 7 <sup>th</sup> Convocation of SPAV held on 03/01/2024.
15	28/10/2023	Anti-Ragging Committee - Member	SPA Vijayawada	To ensure compliance with the provisions of the regulations as well as

				the provisions of any law for the time-being in force concerning Ragging, investigate complaints and also, monitor in prevention of ragging in the institute.
16	08/08/2023	B.Arch. Programme Coordinator	SPA Vijayawada	B.Arch. Programme Coordinator for the Odd Semester, A.Y. 2023-24
17	11/05/2023	Co-Chairperson – Screening Committee	SPA Vijayawada	For scrutiny of Non-Teaching applications for the post of Junior Assistant.
18	25/04.2023	Member – PHD Admission Selection Committee	SPA Vijayawada	For the Ph.D. admission in Architecture for the A.Y. 2023-24.
19	24/04/2023	Committee Chairperson	SPA Vijayawada	Physical verification of Fixed Asset and Library books for the F.Y. 2022-23 as per the GFR 2017.
20	05/04/2023	Member – Technical Committee	SPA Vijayawada	For smooth conduction of the National Conference in “Energy Efficiency in Planning for Enhanced Urban Resilience” held on 26 <sup>th</sup> & 27 <sup>th</sup> April, 2023 in SPAV Campus in collaboration with NIDM, Ministry of Home Affairs, GOI.
21	29/07/2020 - 14/9/2022	Estate Officer	SPA Vijayawada	Streamlined the distribution of room keys, etc.
22	28/02/2019 - 08/12/2021	CCMT admission coordinator	SPA Vijayawada	PG admission through CCMT
23	Jan, 2021 – 29/05/2024	GEM HOD	SPA Vijayawada	Looking after the purchases through GEM portal
24	June, 2019 - 8/12/2021	CPIO	SPA Vijayawada	RTI related activity
25	24/09/2020 - 15/2/2023 & 18/05/2024 – till date	Member – Senate	SPA Vijayawada	As per SPAV Statutes
26	01/12/2020 - 15/2/2023	Member - BOG	SPA Vijayawada	As per SPAV Statutes
27	06/02/2019 - 26/02/2024	FIC- Climatology/ Energy Studies/ Acoustic Lab	SPA Vijayawada	Looking after the equipment, its upgradation and further development
28	22/07/2021	Committee Chairperson	SPA Vijayawada	Physical verification of Fixed Asset and Library books for the F.Y. 2020-21
29	05/02/2021- 29/05/2024	IPC - Member	SPA Vijayawada	Institute Purchase Committee to follow the GoI Guidelines, GFR 2017 and GeM Rules
30	11/11/2019- 10/02/2022	Nodal Officer - EBSB	SPA Vijayawada	To coordinate the EBSB activities – two events conducted jointly with paired institute from Punjab
31	27/12/2022 & 25/11/2022	Programme Coordinator for B.Arch. course	SPA Vijayawada	Programme Coordinator for B.Arch. course as per the office order
32	18/11/2022	External Jury Member	SPA Vijayawada	External Jury Member for the B.Arch. subject “Dissertation”
33	01/12/2022- 15/02/2023	Chairman – Disciplinary Committee	SPA Vijayawada	To ensure compliance of Code of Discipline and conduct for students
34	06/10/2022	Semester Coordinator	SPA Vijayawada	Semester Coordinator – B.Arch. III Year V Sem: Section B

35	18/05/2022-15/02/2023	Chairman-Equal Opportunity Cell	SPA Vijayawada	To help and empower the Persons with disabilities (PWD) students to participate fully on an equal basis
36	16/03/2021	Member – Departmental Selection Committee (DSC)	SPA Vijayawada	To handle PG/ PHD admission process at the departmental level
37	14/12/2021	External Jury Member	SPA Vijayawada	External Jury Member for the B.Arch. subject “Dissertation”
38	26/07/2021	Member- Mess/Canteen Services Tender Committee	SPA Vijayawada	To process the Mess/Canteen Services Tender
39	05/05/2022	Selection Committee- M.Arch. – Sustainable Architecture	SPA Vijayawada	For the selection of applicants into PG and PHD courses for the AY 2022-23
40	01/07/2021	Selection Committee Member – PG Direct Admission	SPA Vijayawada	To evaluate the Statement of Purpose and Work Portfolios for PG Direct admission
41	17/07/2021	CCMT 2021 Coordinator	SPA Vijayawada	To oversee the necessary arrangements for the CCMT 2021
42	30/09/2022	GATE Supervisor	SPA Vijayawada	To monitor the work of GATE students for the scholarship
43	18/03/2019	Member - DPGC	SPA Vijayawada	As per the Academic Ordinance 2018
44	18/03/2019	Member - DSC	SPA Vijayawada	To handle PG/ PHD admission process at the departmental level
45	29/07/2019	Studio/ Semester Coordinator	SPA Vijayawada	Semester Coordinator – B.Arch. IV Year VII Sem
46	2013-2017	Hostel Warden	NIT Hamirpur (H.P.)	To look after the Hostel administration, Mess
47	2016-2019	Convener - DPGC	NIT Hamirpur (H.P.)	As per the Academic Ordinance
48	2017-2019	FIC – Department Purchase	NIT Hamirpur (H.P.)	Department Purchase Committee to follow the GoI Guidelines, GFR 2017 and GeM Rules
49	2010-2019	FIC – Climatology and Energy Lab	NIT Hamirpur (H.P.)	Looking after the equipment, its upgradation and further development
50	2012-2019	Member - DUGC	NIT Hamirpur (H.P.)	As per the Academic Ordinance

#### ❖ Awards / Recognitions and Fellowships:

S. No.	Award Name	Awarding Organization	Awarded Work / Project
1	Member- National Advisory Committee	Department of Architecture, NIT Hamirpur, H.P.	Member- National Advisory Committee of the National Conference on “Planning and Architecture for Hill Regions (PAHR-2024)” dated May 15-16, 2024
2	Member- National Advisory Committee	Department of Architecture and Planning, National Institute of Technology, Patna, Bihar	Member- National Advisory Committee of the International Conference on “Climate Change, Cultural Heritage and Sustainable Habitat” dated Feb 17-18, 2024
3	Invited lecture - 22 - 26 February, 2024	Department of Architecture, National Institute of Technology, Hamirpur, H.P.	Delivered an expert talk in five days FDP on “Developmental Regulations and Built Environment” on the topic “Development regulations and energy

			efficiency”.
4	Invited lecture - 8 - 12 December, 2023	Department of Architecture, National Institute of Technology, Hamirpur, H.P.	Delivered an expert talk in five days e-STC on “Sustainable Infrastructure in Hills - 2023”.
5	Appointed as External Examiner – November, 2023	Department of Architecture, National Institute of Technology, Trichy, T.N.	Appointed as External Examiner for evaluating the Ph.D. thesis
6	Appointed as External Examiner – October, 2023	Department of Architecture and Planning, National Institute of Technology, Patna, Bihar	Appointed as External Examiner for evaluating the Ph.D. thesis
7	Polavaram Irrigation Project – Rehabilitation and Resettlement, dated 17/10/2023	Department of Water Resources, Govt. of A.P.	Team Member: Community level infrastructure planning, including Housing stock infrastructure
8	Invited lecture - 4-8 September, 2023	Department of Architecture and Planning, National Institute of Technology, Patna, Bihar	Delivered an expert talk in five days FDP on “Thermal Comfort, Energy Analysis, and Passive Techniques” on the topic “Shading of Buildings – A Cost-Effective Solution for Saving Energy in Hot Tropical Region”.
9	Reviewer – National Conference	Council of Architecture Training & Research Centre (COA-TRC), Bhopal, India & K.R. Mangalam University, Gurugram, Delhi-NCR	Reviewer for the National Conference hosted by K.R. Mangalam, School of Architecture and Design on “Multidisciplinary Aspects of Design: Enhancing the Connections" from 1st to 3rd June 2023 in collaboration with COA-TRC, Bhopal, India.
10	Appointed as External Examiner – May, 2023	G D Goenka University, Gurgaon, Haryana, India	Appointed as External Examiner for evaluating the Ph.D. thesis
11	Member - Board-of-Studies – 19/09/2022 - 18/09/2025	TKM College of Engineering (Government Aided and Autonomous), Kollam-691005, Kerala	Member - Board-of-Studies in the Department of Architecture as a Subject Expert
12	Appointed as External Examiner – 15 <sup>th</sup> December, 2022	Department of Architecture, MNIT Jaipur, Rajasthan	Appointed as External Examiner for Conducting Ph.D. Viva-Voce Examination
	Appointed as External Examiner - 5-6 May, 2022	Department of Architecture and Planning, NIT Calicut, Kerala	Appointed as External Examiner for the evaluation of Architectural Thesis
13	Invited lecture - 07-11 November, 2022	COA-TRC Bhopal and AppaSaheb Birnale College of Architecture, Sangli	Delivered an expert talk in five days online National Faculty Development Program on “The Site – its relevance to the Design” on the topic “Wetlands in West Bengal”
14	Invited lecture - 22-26 August, 2022	COA-TRC Bhopal and K.R. Mangalam University, Gurugram, Delhi-NCR	Delivered an expert talk in five days online National Faculty Development Program on “Building Services and their implementation in Architectural Design” on the topic “Use of Solar Energy in Buildings”
15	Invited lecture – 27 <sup>th</sup> July, 2021	COA-TRC Bhopal and GITAM School of Architecture, GITAM, Visakhapatnam	Delivered an expert talk in five days online National Faculty Development Program on “Technicalities, Technology & Tools in Natural Ventilation Research” on the topic “Introduction to passive cooling in warm & humid climate and role of ventilation in vernacular architecture”
16	Invited lecture - 14-18	Department of Architecture,	Delivered an expert talk in five days

	May, 2021	NIT Hamirpur, H.P.	e_ Workshop on “Understanding Change in Built Form with Focus on Hill Regions”
17	Invited lecture - 03-07 January, 2021	Department of Mechanical Engineering & Department of Architecture, NIT Hamirpur	Delivered an expert talk during five days e_STC on “Energy Efficient Building Technology (EEBT 2021)”
18	Consultancy project Team member (2019)	DTCP, Govt. of Andhra Pradesh	Preparation of GIS based Master Plan for AMRUT town ELURU (Package-1)
19	Invited expert talks on AutoCAD 23-24 November, 2017	H.P. Institute of Public Administration, Shimla (HIPA)	The Training Programme on “Rural Civil Works” for Engineers of Panchayati Raj & Rural Development Department
20	Invited expert talks on AutoCAD 16-18 October, 2017	H.P. Institute of Public Administration, Shimla (HIPA)	The Training Programme on “Rural Civil Works” for Engineers of Panchayati Raj & Rural Development Department
21	Invited expert talks on AutoCAD 11-13 September, 2017	H.P. Institute of Public Administration, Shimla (HIPA)	The Training Programme on “Rural Civil Works” for Engineers of Panchayati Raj & Rural Development Department
22	Member - Board-of-Studies – 18/02/2017 - 18/02/2018	HP Technical University, Hamirpur	Member - Board-of-Studies for Architectural Courses at Himachal Pradesh Technical University
23	Member-Subject Expert 10-13 July, 2017	HP Technical University, Hamirpur	Member-Subject Expert, Inspection Team for B.Arch. course in Rajiv Gandhi Govt. Engineering College, Nagrota Bagwan, Kangra
24	Appointed as External Examiner - 29-30 November, 2016	Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir	Appointed as External Examiner for the evaluation of Architectural Design Studio
25	Invited lecture - 29-30 November, 2016	The Department of Rural Development, NITTTR Chandigarh	Delivered an expert lecture on the topic “Role of New Techniques/technologies for Energy Efficient Buildings”
26	Consultancy project Co-PI (2012)	Industrial Training Institute, Govt. of Himachal Pradesh	Preparation of Architectural Drawing for the Academic Block at ITI, Bani, Hamirpur (H.P.)
27	Consultancy project Co-PI (2012)	Industrial Training Institute, Govt. of Himachal Pradesh	Preparation of Architectural Drawing for the Academic Block at ITI, Bhoranj, Hamirpur (H.P.)
28	Consultancy project Co-PI (2012)	Govt. of Himachal Pradesh	Solar passive building technology design recommendations for Regional Forensic Science Laboratory” at Bheuli, Mandi, (H.P.)
29	Consultancy project Co-PI (2012)	NIT-Hamirpur (H.P.)	Preparation of Architectural Drawing for the Estate office-NIT-Hamirpur (H.P.) with Bank and Post-office, at NIT-Hamirpur (H.P.)
30	Consultancy project (2003)	Funded by <b>United Nations Development Program (UNDP)</b> , through Department of Architecture & Planning, IIT, Kharagpur	Conduction of Pilot Survey of Siliguri town and preparation of Report under “Development of Urban Indicator Programme”. Principal coordinator: Prof. B.K. Sengupta

**Prof. Dr. Amitava Sarkar**  
Professor,  
Department of Architecture,  
School of Planning and Architecture, Vijayawada