Gourab Kar, Ph.D.

Associate Professor, Department of Design

Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016, INDIA

gourab@iitd.ac.in; **+91-947-560-4776**

Education

University of California, Berkeley, CA, USA **2019 - 2020**
Post-Doctoral Scholar, School of Public Health
Advisors: Cristina Banks & Carisa Harris Adamson

Cornell University, Ithaca, NY, USA **May 2019**
Ph.D. in Human Behaviour & Design (specialization in Human Factors & Ergonomics)
Dissertation: *Ergonomic Investigations of Sit-Stand Workstations for Computer-based Work*
Committee: Alan Hedge, Khena M. Swallow & Vilma Santiago-Irizarry

Georgia Institute of Technology, Atlanta, GA, USA **May 2011**
Master of Industrial Design (specialization in Universal Design)
Thesis: *Universal Design of Behind-the-Counter Workspaces.*
Committee: Abir Mullick, Karen Milchus & Kevin Shankwiler

Indian Institute of Technology Delhi, New Delhi, India **May 2006**
Master of Design (specialization in Industrial Design)
Design Project: *Hand-cranked, Backpack-mounted Potable Water Purifier for Emergencies*
Advisor: Lalit Kumar Das

Birla Institute of Technology Mesra, Ranchi, India **May 2004**
Bachelor of Architecture

Research Interests

Human Factors and Ergonomics; Universal Design; Environment-Behaviour Research; Sedentary Behaviour and Health; Environments and Health; Evidence-based Design (EBD); Body-Conscious Design.

Experience

Indian Institute of Technology Delhi, New Delhi, India
Associate Professor, Department of Design — 2026 - Present
Assistant Professor, Department of Design — 2020 - 2025

University of California, Berkeley, CA, USA
Post-Doctoral Scholar, School of Public Health — 2019 - 2020

Cornell University, Ithaca, NY, USA
Instructor, Summer College — Summer 2018
Teaching Assistant, Dept. of Design & Environmental Analysis — 2014 - 2018

National Institute of Design, Ahmedabad, Gujarat, India
Co-ordinator, Product Design Department — 2013 - 2014
Faculty (Equivalent to Assistant Prof.), Product Design Department — 2011 - 2014

Antenna Design New York Inc, NY, USA
Associate Industrial Designer — Spring 2011

Georgia Institute of Technology, Atlanta, GA, USA

Teaching Assistant, School of Industrial Design	2009 - 2010
Research Assistant, Center for Assistive Technology & Environmental Access	2008 - 2010

Pentair Water India Private Limited, New Delhi, India

Industrial Designer, Center for Design & Research	2006 - 2008

Peer-Reviewed Publications

1. Singh, R., Johry, A., Anand, S., & **Kar, G.** (2026) Impact of Physical Environment of Pediatric Inpatient Wards on Children: A Systematic Literature Review. *HERD: Health Environments Research & Design Journal.* https://doi.org/10.1177/19375867261451751
2. Jagad, J, M., Cranz, G., & **Kar, G.** (2026, October) Expanding the paradigm of workspace design through an ethnography of floor-based workspaces in contemporary India. In *Proceedings of the Human Factors & Ergonomics Society (HFES) Annual Meeting, Reno, NV. Sage Publications. (Accepted for Publication)*
3. Singh, R., Johry, A., Anand, S., & **Kar, G.** (2026, October) How does the physical environment influence behaviors of parents/caregivers in a pediatric waiting space? Findings from an environment-behavior study in a pediatric hospital in New Delhi, India. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting, Reno, NV. Sage Publications.* https://doi.org/10.1177/10711813261485204
4. Mohanty, A., Pati, D., & **Kar, G.** (2026, October) Learning from and with healthcare workers about the environmental design needs of Mohalla Clinics in context of COVID-19 pandemic - Findings from a participatory design study. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting, Reno, NV. Sage Publications.* https://doi.org/10.1177/10711813261487967
5. Kumar, A., Karkhanis, A, D., Ashraf, A,S., & **Kar, G.** (2026, August) Comparing functional grouping and spatial mapping for a switchboard layout - Findings from an empirical study. In *Proceedings of the 5th Asian Conference on Ergonomics and Design, ACED 2026. (Accepted for Publication)*
6. Ashraf, A, S., Mandlik, N, N., & **Kar, G.** (2026, August) A systemic evaluation of studio chairs comparing user-preference with the musculoskeletal discomfort and comfort scores. In *Proceedings of the 5th Asian Conference on Ergonomics and Design, ACED 2026. (Accepted for Publication)*
7. Jagad, J, M., Cranz, G., & **Kar, G.** Environmental Affordances and Floor-Based Sitting In Contemporary India. (2026, May) In *Proceedings of the EDRA Annual Meeting 2026, Amherst, MA. (Accepted for Publication)*
8. Singh, A., Kaur, J., & **Kar, G.** (2026, May) An Investigation of Spatial Affordances for Early Childhood Education Environments In Context of India's New Education Policy 2020. In *Proceedings of the EDRA Annual Meeting 2026, Amherst, MA. (Accepted for Publication)*
9. Khan, M, S., & **Kar, G.** (2026, May) How Does the Built Environment Enable or Hinder Aging-In-Place for Older Adults In Informal Housing? Findings from a Pilot Study In Uttarakhand, India. In *Proceedings of the EDRA Annual Meeting 2026, Amherst, MA. (Accepted for Publication)*
10. Singh, R., Johry, A., Anand, S., & **Kar, G.** (2026, May) How Play-Oriented Interventions Shape Waiting Experiences of Children In a Pediatric Hospital? Findings from a Natural Experiment In New Delhi, India. In *Proceedings of the EDRA Annual Meeting 2026, Amherst, MA. (Accepted for Publication)*
11. Koruprolu, V, S., Nahar, P., Chanana, P., Rao, P. V. Madhusudhan & **Kar, G.** (2025, October) The Multimodal Exhibition: Tangible Interactions for People With Visual Impairments. In *Proceedings of the HFES Annual Meeting, Chicago, IL. Sage Publications.* https://doi.org/10.1177/10711813251360704

12. Ashraf, A, S., Mohanty, A., Banks, C. G., & **Kar, G.** (2025, October) Effects of an Active and a Passive Work Condition on Musculoskeletal Discomfort and Computer Typing Performance for Computer Based Work. In *Proceedings of the HFES Annual Meeting, Chicago, IL. Sage Publications.* https://doi.org/10.1177/10711813251357939
13. Akhtar, N., Mujhawar, A.S., Pandey, S., Samman, D. S., & **Kar, G.** (2025, October). Can sketches by people with visual impairments inform the design of intuitive tactile symbols? - Findings from a pilot study with students from a school for visually impaired. In *Proceedings of the HFES Annual Meeting, Chicago, IL. Sage Publications.* https://doi.org/10.1177/10711813251369809
14. Singh, S., Garg, S. K., Paldas, S., & **Kar, G.** (2025, October). Designing for and With Elderly Users - A Case Study of Co-designing a Next Generation Mobile Phone in India. In *Proceedings of the HFES Annual Meeting, Chicago, IL. Sage Publications.* https://doi.org/10.1177/10711813251369817
15. Mohanty, A., & **Kar, G.** (2025, May). How Do Changes to the Built Environment of Mohalla Clinics during COVID-19 Influence Human-Environment Interactions for Healthcare Workers? Insights from a Semantic Ethnographic Study. In *Proceedings of the EDRA Annual Meeting 2025, Halifax, Canada.*
16. Singh, R., Johry, A., Anand, S., & **Kar, G.** (2025, May). Decoding the Diversity of Children's Behaviors across Age Groups in a Healthcare Environment - A Semantic Ethnography of the Waiting Space of a Pediatric Hospital in New Delhi, India. In *Proceedings of the EDRA Annual Meeting 2025, Halifax, Canada.*
17. Mohanty, A., & **Kar, G.** (2025, January). The role of the built environment in healthcare communication: Insights from a multi-sited ethnographic study of Mohalla Clinics in Delhi. In *Proceedings of the 10th ICoRD, Hyderabad, India.* https://doi.org/10.1007/978-981-96-6414-6_26
18. Haris, J.U., & **Kar, G.** (2025, January). Exploring opportunities for digitization of Kirana stores - Insights from a research-informed design project. In *Proceedings of the 10th ICoRD, Hyderabad, India.* https://doi.org/10.1007/978-981-96-5511-3_8
19. Ashraf, A, S., & **Kar, G.** (2024, August). Effects of floor-seated, chair-seated and standing work postures on musculoskeletal discomfort and computer-typing performance. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-96-9334-4_59
20. Singh, R., & **Kar, G.** (2024, August). Designing Inclusive Train Travel Experiences for Children and Parents: Insights from a Human-centered Design Workshop. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-96-8908-8_19
21. Koruprolu, V, S., & **Kar, G.** (2024, August). Data Synthesis for Design Research - A Case Study of a Multimodal Mind Mapping Technique for Concept Generation. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-96-8908-8_10
22. **Kar, G.,** Khan, M, S., Naik, S, S., Sonowal, S., Aswin, S., & Paldas, S. (2024, August) How can the built environment of the home enable aging-in-place? Insights from a multi-sited ethnography of the elderly in India. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-95-0211-0_17
23. Naik, S, S., Paldas, S., & **Kar, G.** (2024, August) Are guidelines for design of accessible toilets in India evidence-based? - Findings from a full-scale simulation study. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-96-9334-4_42
24. Mohanty, A., & **Kar, G.** (2024, August). Challenges in Human-Environment Interactions for Healthcare Staff in Mohalla Clinics during COVID-19: An Ethnographic Study. In *Proceedings of 22nd Triennial Congress of International Ergonomics Association, Jeju, South Korea.* https://doi.org/10.1007/978-981-96-8908-8_50

25. **Kar, G.,** Naik, S, S., Sonowal, S., Aswin, S., & Paldas, S. (2024, June). Environmental accommodations to support aging-in-place: Insights from a multi-sited ethnography of the elderly in India. In *Proceedings of the EDRA Annual Meeting, Portland, OR.*
26. Arun, P. M., & **Kar, G.** (2023, December). Roadeze - A motorized-two-wheeler rider-safety intervention for last-mile food delivery personnel. In *S. Das et al. (eds.), Human-Centered Digitalization, Volume 3, Design Science and Innovation,* https://doi.org/10.1007/978-981-96-4383-7_41
27. Mondal, A., Singh, V. K., Singh, S., & **Kar, G.** (2023, December). Challenges of ATM usage by wheelchair users – A simulation study. In *S. Das et al. (eds.), Human-Centered Digitalization, Volume 3, Design Science and Innovation,* https://doi.org/10.1007/978-981-96-4383-7_40
28. Gogoi, M. P., Paldas, S., & **Kar, G.** (2023, December). Reimagining the Presenter's Experience - An Inclusive Approach to Lectern Design. In *Proceedings of the 4th Asian Conference on Ergonomics and Design, Mumbai, India.* https://doi.org/10.1007/978-981-96-4779-8_41 **2nd Prize for Best Oral Presentation.**
29. Mohanty, A. & **Kar, G.** (2023, June). Exploring Dimensions of Healthcare Access in Mohalla Clinics: Results from a Rapid Ethnographic Study. In *Proceedings of the EDRA Annual Meeting, Mexico City, Mexico.* https://edra.confex.com/edra/EDRA54/meetingapp.cgi/Paper/13431
30. Sonowal, S., Paldas, S., & **Kar, G.** (2023, June). Design of an Aid to Ease Ingress, Egress and in-Bed Mobility for Older Adults: A Research-Informed-Design Study. In *Proceedings of the EDRA Annual Meeting, Mexico City, Mexico.*
31. Mohanty, A., & **Kar, G.** (2023, July) Impact of Environmental Design Changes on Primary Healthcare Services in Mohalla Clinics during COVID19: Findings from A Rapid Ethnographic Study. In *Proceedings of the 28th UIA World Congress of Architects, Copenhagen.* https://doi.org/10.1007/978-3-031-36316-0_17
32. **Kar, G.** (2021, November). Ergo-Studio – A case-study on teaching and learning ergonomics in a studio mode. In *Proceedings of HWWE Conference, Guwahati.* https://doi.org/10.1007/978-3-030-94277-9_5
33. **Kar, G.,** & Mullick, A. (2021, May). Standards to Achieve Social Inclusion: The Case of the Indian Toilet-Bathroom. In *Proceedings of EDRA Annual Meeting, Detroit, MI.*
34. **Kar, G.,** & Hedge, A. (2021). Effect of workstation configuration on musculoskeletal discomfort, productivity, postural risks, and perceived fatigue in a sit-stand-walk intervention for computer-based work. *Applied Ergonomics*. https://doi.org/10.1016/j.apergo.2020.103211
35. **Kar, G.,** & Hedge, A. (2020) Effects of a sit-stand-walk intervention on musculoskeletal discomfort, productivity, and perceived physical and mental fatigue, for computer-based work. *International Journal of Industrial Ergonomics.* https://doi.org/10.1016/j.ergon.2020.102983
36. Sun, Y., **Kar, G.,** Stevenson Won, A., & Hedge, A. (2019, November). Postural Risks and User Experience of 3D Interface Designs for Virtual Reality-based Learning Environments. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, Los Angeles, CA. Sage Publications. https://doi.org/10.1177/1071181319631023
37. Gupta, S., Chen, S., & **Kar, G.** (2019, May). Graindrop – A biomimicry inspired concept to create resilient food-systems in local communities. In *Proceedings of EDRA Annual Meeting, Brooklyn, NY.*
38. Phirke, N. D., & **Kar, G.** (2018, November). Sparc – Illuminating houses using waste heat. In *Proceedings of Insight 2018 - Design Research Conference, National Institute of Design, Ahmedabad, Gujarat.*
39. **Kar, G.,** Sun, Y., Celikors, E., Villacreces, P., Misailedes, E., Schatz, M., Kim, J., Shi, Y., Gao, Y., Sun, J., Zhang, J., & Hedge, A. (2018, October). Effects of a dynamic foot movement device on cognitive performance in short-duration computer-based tasks. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting 2018, Philadelphia, PA.* https://doi.org/10.1177/1541931218621085

40. **Kar, G.,** Peditto, K, S., Guria, S., Moon, D., Stohler, J., Callan, J, R., Li, M., Fronsman, A, E., Lee, S, H., Cackett, M, A., & Hedge, A. (2017, October). Effects of active sitting chairs on short-duration computer task performance, postural risks, perceived pain, comfort and fatigue. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting 2017, Austin, TX.* https://doi.org/10.1177/1541931213601590

41. **Kar, G.,** Guria, S., Peditto, K, S., Moon, D., Stohler, J., Callan, J, R., Li, M., Fronsman, A, E., Lee, S, H., Cackett, M, A., & Hedge, A. (2017, October). Effects of active versus static standing on short-duration computer task performance, postural risks, perceived pain, comfort and fatigue. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting 2017, Austin, TX.* https://doi.org/10.1177/1541931213601591

42. **Kar, G.,** & Mullick, A. (2017, June). In-ground Workspaces – A Study in Cultural Ergonomics. In *Proceedings of the Environmental Design Research Association Annual Meeting, Madison, WI.* http://tinyurl.com/y3bwpo4e

43. **Kar, G.,** & Hedge, A. (2016, September). Effects of Sitting and Standing Work Postures on Short-Term Typing Performance and Discomfort. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (Vol. 60, No. 1, pp. 460-464). Sage Publications. https://doi.org/10.1177/1541931213601104

44. **Kar, G.,** Vu, A., Nehme, B. J., & Hedge, A. (2015, September). Effects of Mouse, Trackpad and 3d Motion and Gesture Control on Performance, Posture, and Comfort. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (Vol. 59, No. 1, pp. 327-331). Sage Publications. **Nominated for Best Paper Award in Computer Systems Technical Group.** https://doi.org/10.1177/1541931215591068

45. **Kar, G**., & Mullick, A. (2015, May) Designing for Diversity: A Research Informed Design Study on Universal Workspaces. In *Proceedings of the Environmental Design Research Association Annual Meeting, Los Angeles, CA.* **Winner of the Best Student Paper Award.** http://tinyurl.com/y5hulljw

46. Vadaliya, P., Laroia, M., & **Kar, G**. (2014, December). InterCARE: A Cloud Computing Patient Care System. In *Proceedings of India HCI 2014 Conference on Human Computer Interaction (p. 96). New Delhi, India. ACM.* https://doi.org/10.1145/2676702.2676714

47. Mullick, A., & **Kar, G**. (2014, June). Research_Design: Inclusive Indoor Play. In Caltenco, H. A., Hedvall, P. O., & Larsson, A. (Eds.). (2014). *Universal Design 2014: Three Days of Creativity and Diversity: Proceedings of the International Conference on Universal Design, UD 2014 Lund, Sweden, June 16-18, 2014* (Vol. 35). IOS Press. http://ud2014.se/wp-content/uploads/submissions/ud2014_submission_117.pdf

48. **Kar, G**., & Mullick, A. (2014, June). Designing Universal Workspaces. In Caltenco, H. A., Hedvall, P. O., & Larsson, A. (Eds.). (2014). *Universal Design 2014: Three Days of Creativity and Diversity: Proceedings of the International Conference on Universal Design, UD 2014 Lund, Sweden, June 16-18, 2014* (Vol. 35). IOS Press. http://tinyurl.com/y5asfc47

49. Khare, R., Sankat, S., Arora, S., Chaurasia, D., & **Kar, G**. (2014, June). Exploring Issues for Indian Elderly through Intense User Centric Design Studio. In Caltenco, H. A., Hedvall, P. O., & Larsson, A. (Eds.). (2014). *Universal Design 2014: Three Days of Creativity and Diversity: Proceedings of the International Conference on Universal Design, UD 2014 Lund, Sweden, June 16-18, 2014* (Vol. 35). IOS Press. http://tinyurl.com/y5asfc47

50. Mullick, A. & **Kar, G**. (2013, October). People, Places and Potentialities in Design: Research Tools to Examine Challenges in Behind-the-Counter Work. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting.* (Vol. 57, No. 1, pp. 541-545). Sage Publications. https://doi.org/10.1177/1541931213571116

51. Bhatt, B. M., **Kar, G**., Shashank, S., & Somarajan, S. (2013, September). Designing interfaces for healthcare workers: a case study of the electronic partogram. In *Proceedings of the 11th Asia Pacific Conference on Computer Human Interaction. Bangalore, India. ACM.* https://doi.org/ 10.1145/2525194.2525268
52. **Kar, G**., & Mullick, A. (2012, June). Learning from People – A human-centered approach to universal design of workspaces. In *Proceedings of the Rehabilitation Engineering & Assistive Technology Society of North America Annual Conference.* http://tinyurl.com/yy97mdtw
53. **Kar, G**., & Mullick, A. (2012, September). Designing with Users: A case study for design of dental workspace. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (*Vol. 56, No. 1*, pp. 652-655). Sage Publications. Retrieved from, https://doi.org/10.1177/1071181312561136
54. **Kar, G**., & Mullick, A. (Spring 2012). Universal Design at Work: A Case Study of Behind-the-Counter Workspaces. In *Spandrel: Journal of School of Planning & Architecture Bhopal.* (*Vol. 2, Issue. 4*. pp. 39-52). http://tinyurl.com/y6glottk
55. Endicott, S., Mullick, A., **Kar, G**., & Topping, M. (2010, September). Development of the Inclusive Indoor Play Design Guidelines. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (Vol. 54, No. 20, pp. 1822-1826). Sage Publications. https://doi.org/10.1177/154193121005402017
56. Mullick, A., **Kar, G**., & Endicott, S. (2010, June). The Fun in Play: Independence, Assistance, Effort and Difficulty. In *Proceedings of the Rehabilitation Engineering & Assistive Technology Society of North America Annual Conference.* http://tinyurl.com/y3ttpjv9
57. Topping, M., Mullick, A., Endicott, S., Sung, W., & **Kar, G**. (2010, September). Children as Research Subjects: Methodologies for Collecting Data in Inclusive Indoor Play. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (Vol. 54, No. 9, pp. 703-707). Sage Publications. Retrieved from, https://doi.org/10.1177/154193121005400904
58. Endicott, S., **Kar, G**., & Mullick, A. (2009, October). Inclusive Indoor Play: Children at Play. In *Proceedings of the Human Factors & Ergonomics Society Annual Meeting* (Vol. 53, No. 19, pp. 1527-1531). Sage Publications. https://doi.org/10.1177/154193120905301913

Non-Refereed Publications

1. *"Ergonomic Investigations of Sit-Stand Workstations for Computer-Based Work."* Doctor of Philosophy Dissertation, Cornell University (2019). Accessed from https://doi.org/10.7298/d94z-dh20
2. *"Translation Guide for Workplace Design."* (*with* Rana Sagha Zadeh, Hessam Sadatsafavi *and* Amy Vu). Report for Workplace Design Professionals. Synthesized peer-reviewed literature on workplace design to create a translational guide that informs evidence-based design practice (2015).
3. *"Innovation 2015 – Evidence based Design Directions for Neurological Intensive Care Unit."* (*with* Rana Sagha Zadeh, Mardelle McCuskey Shepley, Jeffrey Neo, *and* Giyoung Park). Report for Weill Cornell Medicine. Synthesized evidence from literature to inform design directions for proposed Neurological Intensive Care Unit at the New York Presbyterian Hospital (2015).
4. "*Indian Railways Design Center at the National Institute of Design – Research Proposal.*" (*with* Abir Mullick *and* Jignesh Khakhar). Report for the Ministry of Railways, Govt. of India. Co-authored proposal to establish the Railway Design Center at NID, Ahmedabad (2013). Secured a grant of ₹10 crores ($1.6 Million) for 10-year period. Accessed from http://pib.nic.in/newsite/mbErel.aspx?relid=122493
5. *"Universal Design of Behind-the-Counter Workspaces."* Master of Industrial Design Thesis, Georgia Institute of Technology (2011). Accessed from https://smartech.gatech.edu/handle/1853/39476

Awards & Honors

Teaching Excellence Award, Indian Institute of Technology Delhi	2025
Teaching Fellow, Center for Teaching Innovation, Cornell University	2017
Honorable Mention, Biomimicry Global Design Challenge, Biomimicry Institute	2017
Visiting Research Fellow, National Institute of Design, Ahmedabad, India	2016
Student Author Presentation Support Award, Human Factors & Ergonomics Society	2015
Best Student Paper Award, EDRA Annual Conference, Los Angeles	2015
First Prize, Cardboard Seat Competition, American Institute of Architects, Atlanta Chapter	2009
16th Rank, Common Entrance Examination for Design, Indian Institute of Technology Bombay	2004
First Prize, National Architectural Quiz Award (Eastern Region), Archumen	2003
Best Design Award, National Association of Students of Architecture (NASA) Convention	2002
First Prize, Auditorium Design Competition, Ranchi Regional Development Authority	2001

Grants & Fellowships

Visiting Professor Teaching Grant, Universitat Jaume I, Castellon, Spain	2025
New Faculty Seed Grant, IIT Delhi	2022
Institute of Eminence Research Grant, IIT Delhi (*with Jay Dhariwal*)	2021
Young Faculty Incentive Fellowship, IIT Delhi	2020
Home Economics Extension Fellowship, Cornell University	2018
Jean Failing & Virginia F. Cutler Fellowships, Cornell University	2018
Dissertation Research Grant, Dept. of Design & Environmental Analysis, Cornell University	2017
College of Human Ecology Summer Fellowship, Cornell University	2016
Graduate School Conference Travel Grant, Cornell University	2015-17
Einaudi Center International Research Travel Award, Cornell University	2016
Human Ecology Alumni Association Research Grant, Cornell University	2016
Conference Travel Grant, Dept. of Design & Environmental Analysis, Cornell University	2015, 2017
Irving Lebowski Furniture Design Fellowship, Georgia Institute of Technology	2010
Anne Robinson Clough Conference Grant, Georgia Institute of Technology	2010
Government of India - MHRD Fellowship, Indian Institute of Technology Delhi	2004-06

Selected Presentations

1. *"How does the physical environment influence behaviors of parents/caregivers in a pediatric waiting space? Findings from an environment-behavior study in a pediatric hospital in New Delhi, India."* Paper presented at the 70th Human Factors & Ergonomics Society International Annual Meeting. Reno, NV, October, 2026.
2. *"Reflections on Using Sequential Art to Represent the Lived Experiences of Disability"* Invited Lecture at EMPOWER 2026 - 9th Annual Assistive Technology Conference, Indian Institute of Technology Delhi, October 2026. (*with* Manas Das and Shivam)
3. *"Thoughts on Design - An insider's view on design as a noun and a verb."* Keynote Address at the Design Summer School, Department of Human-Centered Design, Indian Institute of Information Technology (IIIT) Delhi, New Delhi, July 2026.

4. *"How Does the Built Environment Enable or Hinder Aging-In-Place for Older Adults In Informal Housing? Findings from a Pilot Study In Uttarakhand, India."* Invited Lecture at the 57th Environmental Design Research Association Conference at the University of Massachusetts, Amherst, MA, May 2026.
5. *"An Investigation of Spatial Affordances for Early Childhood Education Environments In Context of India's New Education Policy 2020."* Invited Lecture at the 57th Environmental Design Research Association Conference at the University of Massachusetts, Amherst, MA, May 2026.
6. *"Exploring Specializations Beyond Architecture"* Invited Lecture to B. Arch. students at the Department of Architecture and Planning, Birla Institute of Technology, Mesra, Ranchi, March 2026.
7. *"Exploring Environmental Design Challenges for Human-environment Interaction in Mohalla Clinics"* Invited Lecture to the ARCH 409 - Health by Design Course at the Taubman College of Architecture & Urban Planning, University of Michigan, Ann Arbor, USA, October 2025. (*with* Amarjeet Mohanty)
8. *"Designing for and With Elderly Users - A Case Study of Co-designing a Next Generation Mobile Phone in India."* Paper presented at the 69th Human Factors & Ergonomics Society International Annual Meeting. Chicago, IL, October, 2025.
9. *"Inclusive Designs for an Aging India - Learnings from Three Case Studies."* Invited Lecture to Bachelor of Industrial Design Students at the Department of Industrial Systems Engineering and Design, Jaume I University, Castelló de la Plana, Valencian Community, Spain, April 2025.
10. *"Ergonomic Design of Laparoscopic Instruments for Pediatric Surgery"* Invited talk at the Workshop on Ergonomic Challenges in Minimally Invasive Surgery organized by the All India Institute of Medical Sciences (AIIMS), New Delhi, May 2025. (*with* Nabeeha Akhtar)
11. *"Efforts to Create an Inclusive Teaching and Learning Environment at IIT Delhi: Experiments and Learnings."* Invited talk in the on Developing Laboratory Experiments in Science for Undergraduate Students with Disabilities at the Indian Academy of Sciences, Bengaluru, March 2025. *(with* Vikram Singh)
12. *"It's time to take a stand on sitting at work - Taking steps towards better health in the sedentary office."* Invited talk at the 20th Humanizing Work and Work Environment (HWWE) Conference at the Department of Physiology, University of Calcutta, Kolkata, India, December 2024.
13. "*Are guidelines for the design of accessible toilets in India evidence-based? - Findings from a full-scale simulation study*." Paper presented at the 22nd Triennial Congress of the International Ergonomics Association (IEA), Jeju, South Korea., August, 2024.
14. "*How can the built environment of the home enable aging-in-place? Insights from a multi-sited ethnography of the elderly in India*." Paper presented at the 22nd Triennial Congress of the International Ergonomics Association (IEA), Jeju, South Korea., August, 2024.
15. *"Body Conscious Design - Theory, Experience & Application."* Invited Talk at the Faculty of Design, CEPT University, Ahmedabad, India, October 2023.
16. *"Body Conscious Design - Experience, Theory & Practice."* Invited Talk at the Furniture & Interior Design Department, National Institute of Design, Ahmedabad, India, October 2022.
17. *"Design for People."* Invited Talk at the Department of Food Science and Technology, University of Kashmir, Srinagar, Jammu & Kashmir, India, July 2022
18. *"Sitting is the New Smoking! And, what you can do about it"* Invited Talk at the School of Planning and Architecture, Bhopal, India, October 2021 (Online).
19. *"Stand Up and Make a Move - Taking steps towards better health and productivity in the sedentary office."* Invited Talk at the National Institute of Design, Ahmedabad, India, July 2021 (Online).
20. *"Human Factors in Industrial Design."* Invited Talk for TEQIP III Course at the Department of Design, Indian Institute of Technology Delhi. New Delhi, India, December 2020 (Online).

21. *"Designing Healthy Workplaces - What design can learn from research on sedentary behaviour." Invited Talk for the Design Webinar Series at Department of Design, Indian Institute of Technology Delhi. New Delhi, India October 2020***.**
22. *"Postural Risks and User Experience of 3D Interface Designs for Virtual Reality-based Learning Environments."(with Yilu Sun).* Paper presented at 63rd Annual Meeting of the Human Factors & Ergonomics Society. Seattle, WA, October 2019.
23. *"Design as Research – Research as Design."* Invited talk at the Department of Design, Indian Institute of Technology Delhi. New Delhi, India, August 2019 (Online).
24. *"Graindrop – A biomimicry inspired concept to create resilient food-systems in local communities."* (*with* Sukruti Gupta). Paper presented at 50th Conference of Env. Design Research Association. Brooklyn, NY, May 2019.
25. *"Sit, Stand and Walk – Taking Steps Towards Better Health & Productivity in the Sedentary Office."* Invited talk at the Interdisciplinary Center for Healthy Workplaces, U.C. Berkeley, March 2019.
26. *"Stand Up & Make a Move – Taking Steps Towards Better Health & Productivity in the Sedentary Office."* Invited talk at the Cornell University Graduate School, Ithaca, NY, February 2019.
27. *"Sparc – Illuminating houses using waste heat".* (*with* Namrata Phirke) Paper presented at Insight 2018 - Design Research Conference, National Institute of Design, Ahmedabad. Ahmedabad, October 2018.
28. *"Ergo Studio - An experiential approach to teaching and learning ergonomics".* Paper presented at Insight 2018 - Design Research Conference, National Institute of Design, Ahmedabad. Ahmedabad, October 2018.
29. *"Active Work - Designing for Physical Activity in the Workplace."* Invited talk at the Department of Design, Indian Institute of Technology Delhi, New Delhi, India, June 2018.
30. *"Design Futures – Exploring Opportunities in the Design Spectrum."* Invited talk at the Dept. of Architecture & Regional Planning, Indian Institute of Technology Kharagpur. Kharagpur, India, January 2018.
31. *"Effects of active versus static standing on short-duration computer task performance, postural risks, perceived pain, comfort and fatigue."* (*with* Justine Stohler *and* Jacqueline Callan). Paper presented at the 61st Annual Meeting of the Human Factors & Ergonomics Society. Austin, TX, October 2017.
32. *"Effects of active sitting chairs on short-duration computer task performance, postural risks, perceived pain, comfort and fatigue."* (*with* Megan Cackett, Seo Hyon Lee *and* Dan Moon). Paper presented at the 61st Annual Meeting of the Human Factors & Ergonomics Society. Austin, TX, October 2017.
33. *"In-ground Workspaces - A Study in Cultural Ergonomics."* Paper presented at 47th Conference of the Environmental Design Research Association. Madison (EDRA), WI, May 2017.
34. *"Effects of Sitting and Standing Work Postures on Short-Term Typing Performance and Discomfort."* Paper presented at the 60th Annual Meeting of the Human Factors & Ergonomics Society. Washington D.C., Sept. 2016.
35. *"Effects of Mouse, Trackpad and 3D Motion and Gesture Control on Performance, Posture, and Comfort."* (*with* Amy Vu *and* Begona Julia Nehme). Paper presented at the 59th Annual Meeting of the Human Factors & Ergonomics Society. Los Angeles, CA, September 2015.
36. *"Designing for Diversity: A Research Informed Design Study on Universal Workspaces."* Paper presented at 46th Conference of the Environmental Design Research Association (EDRA). Los Angeles, CA, May 2015.
37. "*Universal Design - the Other*" (*with* Abir Mullick). Invited talk presented at the School of Planning & Architecture, Bhopal, India. November 2012.
38. "*The Fun in Play: Independence, Assistance, Effort and Difficulty*". Paper presented at the 54th Annual Meeting of the Human Factors & Ergonomics Society. San Francisco, CA, September 2010.
39. "*Children as Research Subjects: Methodologies for Collecting Data in Inclusive Indoor Play*". Paper presented at the 54th Annual Meeting of the Human Factors & Ergonomics Society. San Francisco, CA, September 2010.
40. "*Inclusive Indoor Play: Children at Play*" (*with* Abir Mullick). Paper presented at the 53rd Annual Meeting of

the Human Factors & Ergonomics Society. San Antonio, TX, October 2009.

41. "*Inclusive Indoor Play – Learnings from the Play Lab*" (*with* Abir Mullick & Sarah Endicott). Presentation at the National Institute on Disability and rehabilitation Research (NIDRR), U.S. Department of Education, Washington D.C., February 2009.

Workshops & Symposia

1. School of Innovation, Indian Institute of Technology Indore (July 2026). *Invited Panelist for Experts Discussion on the Structure of the Proposed PhD Program.*
2. 57th Conference of the Environmental Design Research Association (EDRA), University of Massachusetts, Amherst, MA (May 2026). *Workshop on Body-Centered Design with Galen Cranz, University of California, Berkeley.*
3. Department of Architecture and Planning, Birla Institute of Technology, Mesra, Ranchi (March 2026). *Workshop on Simulating Dis-ability for Product Development in Design.*
4. Faculty of Architecture, CEPT University in collaboration with Moving Boundaries India (Ahmedabad, December 2025). *Workshop on Body-Conscious Design with Galen Cranz, University of California, Berkeley.*
5. Department of Design, IIT Delhi in collaboration with Ministry of Railways and Desmania Design Pvt. Ltd. (New Delhi, February 2024). Co-convenor with Sabyasachi Paldas and Pramod Khadilkar for a 2-day collaborative design workshop titled: *Design Innovation Workshop for Indian Railways.*
6. International Scientific Conference on Prevention of Work-related Musculoskeletal Disorders 2023. *Invited Speaker for Symposium on Body Conscious Design - Theory, Experience, Practice.* (Bangalore, Sept. 2023).
7. M. Des. Program, Center for Product Design and Manufacturing, Indian Institute of Science, Bangalore. (Bangalore, Sept. 2023). *Workshop on Body Conscious Design - Theory, Experience, Practice.*
8. M. Des. Program, Furniture & Interior Design Programme, National Institute of Design, Ahmedabad. (Ahmedabad, April 2023). *Workshop on Space and Human Form for Master of Design Students.*
9. M. Des. Program, School of Planning and Architecture Bhopal, India. (Bhopal, April 2023) *Design Ethnography Workshop for Master of Design Students.*
10. FID Symposium 2022 - Design For Living and Living For Design, hosted by the Furniture and Interior Design Department at the National Institute of Design, Ahmedabad. (Ahmedabad, October - November 2022). *Invited Panelist for Session on "Living & The Body-Mind_Self Triad."*
11. 2nd Design Education Symposium - Antaaya 2021 hosted by the Department of Design, IIT Guwahati. (Guwahati, October 2021). *Invited Panelist for Session on 'Thoughts on Design' Education (Online).*
12. Department of Design, IIT Delhi. (New Delhi, June 2021)
    Convenor for *Workshop on Envisioning Our Collective Vision for the Department of Design, IIT Delhi.(Online)*
13. 26th Conference of International Association of People-Environment Studies. (Quebec City, Canada, June 2020) Co-convener with Galen Cranz (U.C. Berkeley) and Chelsea Ruston (U. Calgary) for workshop titled: *It's About Time: Body Conscious Design (Online).*
14. 51st Conference of the Environmental Design Research Association. (Tempe, AZ, April 2020) Co-convener with Galen Cranz (U.C. Berkeley) and Chelsea Ruston (U. Calgary) for *Workshop on Body Conscious Design - Transforming Sedentary Behavior, Environments, and Culture through Education (Online).*
15. B.Arch. Program, Department of Architecture, BIT Mesra. (Ranchi, Jharkhand, January 2020)

Body Conscious Design – An Experiential Workshop for Bachelor of Architecture Students at BIT Mesra.

16. American Institute of Architects (AIA) SF NEXT 2019 (San Francisco, CA, June 2019)
    Co-Convener with Karina Andreva & Erika Dikson (EDKA Studio) for *Workshop on Somatic Design.*
17. Center for Teaching Innovation, Cornell University. (Ithaca, NY, November 2017).
    Co-Convener with Ashley Earle (Cornell University) for *Workshop on Universal Design for Learning.*
18. 46th Conference of the Environmental Design Research Association. (Raleigh, NC, May 2016)
    Co-Convenor with Galen Cranz (U.C. Berkeley) for *Workshop on Body Conscious Design.*
19. Design Immersion - Summer School, Cornell University. (Ithaca, NY, June 2015.)
    Designing for Humans – Workshop on How Ergonomics Informs the Design Process.
20. M. Des. Programme, Department of Design, IIT Delhi. (New Delhi, February 2014)
    Learnings from the Field – Workshop on Observational Research Methods for Product Design.
21. International Open Electives, National Institute of Design. (Ahmedabad, January 2013)
    Co-Convenor with Rachna Khare, Sandeep Sankat, Sandeep Arora and Devarshi Chaurasia for *Workshop on Exploring Issues of Independent Living for Indian Elderly in Urban Residential Neighborhoods.*

Thesis Advising

Doctoral Research Supervision, Indian Institute of Technology Delhi, New Delhi

1. **Amarjeet Mohanty,** *Environmental Design Challenges for Human-Environment Interactions in Mohalla Clinics (Co-Supervisor with Debajyoti Pati, Texas Tech University)* **-** Joined as Assistant Professor in the School of Architecture and Planning, DIT University, Dehradun, Uttarakhand, India.
2. **Aamir Sohail Ashraf,** *Ergonomic Investigations of Computer-based Work in Chair-Seated, Standing and Floor-Seated Postures* - Ongoing
3. **Renuka Singh,** *Participatory Design Approaches for Pediatric Healthcare Environments (Co-Supervisors: Aakash Johry, IIT Delhi and Sachit Anand, AIIMS, New Delhi)* **-** Ongoing
4. **Mohd. Sahil Khan,** *Environmental Accommodations to Support Aging-in-place for the Elderly in Low-income Housing Environments* **-** Ongoing
5. **Vishwas Morghare,** *Fostering emotional engagement with products in the domain of automotive design, by design interventions thats can alter consumption behaviours (Co-Supervisor: Pramod Khadilkar, IIT Delhi)* - Ongoing
6. **Pavanan P.V.,** *Pedagogical Approaches to Teaching and Learning Human Factors and Ergonomics in Design Education* - Ongoing
7. **Nishant Kamboj,** *Understanding Knowledge Acquisition in Design Foundation Studies through Neurocognitive Processes* - Ongoing

Chair - Master of Design Thesis Committee, Indian Institute of Technology Delhi, New Delhi

1. **Jagad Jay Mukeshbhai,** *Affordances for postural variability in sedentary workspaces,* July 2026. *(Co-chair with Sabyasachi Paldas)*
2. **Astitva,** *Gotham Devanagari - Designing a Geometric Grotesk Typeface for the Devanagari Script,* July 2026. *(Co-chair with Suman Bhandary, Wichita State University)*

3. **Vivek S.,** *Vyoma* **-** *Cosmic Intersections: Redesigning Jantar Mantar for Experiential Astronomy,* June 2025. *(Co-chair with Nipun Prabhakar)*
4. **Nandu Lal P.,** *Toy Design - Design & Development of an Arcade inspired Constructible Toy* for Smartivity Labs Private Limited*,* June 2025.
5. **C. Vanlalthaingi,** *Design Research Project: Pediatric Hospital Experiences from a Child's perspective,* June 2024. *(Co-chair with Aakash Johry and Sachit Anand)*
6. **Srijan Singh,** *Participatory Design of IoT-enabled Smart Devices for Older Adults* for Lava International Ltd*,* June 2024 *(Co-chair with Sabyasachi Paldas).*
7. **Sanket Subhas Naik,** *Researching Safer Washrooms for the Elderly,* July 2022 *(Co-chair with Sabyasachi Paldas).*
8. **Vinay Ganeshanjana K.,** *Design of a Client Risk Capturing Dashboard* for Gartner India Research & Advisory Services Pvt. Ltd., Gurugram, Haryana, July 2022.
9. **George Geo Poothokaran**, *Design of a Level-2 EV Charging Station* for SunFuel Electric Private Limited, New Delhi, July 2021*(Co-chair with Sabyasachi Paldas).*
10. **Sidharth Sonowal**, *Design of an aid to ease ingress, egress and in-bed mobility for the aging population*, July 2021 *(Co-chair with Sabyasachi Paldas).*
11. **Sukanya Gupta**, *Multimedia Strategy for Gartner Mobile* for Gartner India Research & Advisory Services Pvt. Ltd., Gurugram, Haryana, July 2021.
12. **Atul Kumar**, *Designing a productivity App for the next generation of mobile phone users* for Gartner India Research & Advisory Services Pvt. Ltd., Gurugran, Haryana, July 2021.
13. **Jinal Solanki,** *Freemium Strategy for Gartner Peer Insights* for Gartner India Research & Advisory Services Pvt. Ltd., Gurugram, Haryana, July 2021.
14. **Subhayan Das**, *Design of Human Performance Augmentation Device* for GenElek Technologies Pvt. Ltd, New Delhi, July 2021 *(Co-chair with Sabyasachi Paldas).*
15. **Sachin Kumar Garg**, *Design of Human Performance Augmentation Device* for GenElek Technologies Pvt. Ltd, New Delhi, July 2021*(Co-chair with Sabyasachi Paldas).*

Chair - Master of Design Thesis Committee, National Institute of Design, Ahmedabad

16. **Sudhir Mor**, *Sarvajal – Pubic Drinking Water Dispenser* for Piramal Foundation Ahmedabad, May 2014.
17. **Shruthi R. Gangadhara**, *Beyond Cycling – Using Storytelling to Design Accessories for Kids Bicycles*, for TI Cycles of India, April 2014.
18. **Ashutosh Biltharia**, *Portable Vaccine Cooler for Last Mile Connectivity in Cold Chain*, for Design Clinic Scheme, Micro Small & Medium Industries Enterprise (MSME), Government of India, April 2014.
19. **Sriram Shashank**, *Near-Eye Display-Based Information Overlay System for Industrial Applications*, for Honeywell Technology Solutions, Bangalore, November 2013.
20. **Sumesh Somarajan**, *Ergonomic Safety Shoe for Industrial Workers*, for Honeywell Technology Solutions, Bangalore, November 2013.
21. **Arjun R. Kumar S.**, *Next Generation Handheld Wearable Devices for Distribution Centers*, for Honeywell Technology Solutions, Bangalore, November 2013.
22. **Tanu Malhotra**, *Ensuring Safety While Delivering Hazardous Materials*, for Honeywell Technology Solutions, Bangalore, October 2013.

23. **Mitin Anand**, *Radar Level Transmitter*, for Honeywell Technology Solutions, Bangalore, August 2013.
24. **Malvika Sainath**, *Digital Door Lock*, for Ingersoll Rand Technology Centre - India, Pune, August 2013.
25. **Varun Prabhakar**, *Connected Cluster – Human Machine Interface*, for Visteon Corporation, Pune, May 2013.
26. **Neha Motghare**, *Furogami – Convertible Bags*, for VIP Industries, Mumbai, May 2013.

Chair - Bachelor of Design Thesis Committee, Indian Institute of Technology Delhi

27. **Nabeeha Akhtar**, *Designing Effective Speed Calming Interventions for Urban Indian Mixed Traffic Roads*, for 3M India Private Limited, Bangalore, June 2026.

Chair - Bachelor of Design Thesis Committee, National Institute of Design, Ahmedabad

28. **Varun Sai Koruprolu,** *Design Beyond Sight: Tangible Interactions for People with Visual Impairments Informed by Generative Research,* for National Center for Assistive Health Technology (NCAHT), IIT Delhi. (co-guide with Praveen Nahar, NID Ahmedabad), November 2024.
29. **Namrata D. Phirke**, *Sparc – Illuminating Houses Using Waster Heat*, for Godrej & Boyce Manufacturing Company Ltd, Mumbai, November 2013.
30. **Sharon M. Rajkumar**, *Envisioning the Connected Cabin Experience*, for Honeywell Technology Solutions, Bangalore, December 2013.
31. **Jyoti Anand**, *Smart Electronic Wallet*, for Ducere Technologies, Hyderabad, December 2013.
32. **Devanshi Saksena**, *Augmented Reality for FMCG*, for Hindustan Unilever, Mumbai, December 2013.
33. **Emil J. Alex**, *Biometric Access Control Device*, for Invixium Technologies, Ahmedabad, February 2014.
34. **Sowmya Iyer**, *Voice-based Portable Gas Detector,* for Honeywell Technology Solutions, Bangalore, March 2014.
35. **Ratul Bhowmik**, *Next-Generation Powered Air Purifying Respirator*, for Honeywell Technology Solutions, Hyderabad, April 2014.
36. **Prateek Upreti**, *User-Vehicle Connectivity - A Vision for Future Vehicle Spaces*, for Mahindra Electric, Bangalore, May 2014.
37. **Priya Passary,** *Origami Installation – Making Collapsible Partitions with Textile*, for Sandeep Pandora & Associates - Architects, Mumbai, October 2014.

Student Awards

1. **Saumilya Sumeet**, *Winner in the Product Design Category* at the Taiwan International Student Design Competition (TISDC), December 2026 (Co-supervisor - *Sabyasachi Paldas*).
2. **Nabeeha Akthar**, *Awarded the Institute Silver Medal* for Bachelor of Design, Indian Institute of Technology Delhi, August, 2026.
3. **Jay Jagad Mukeshbhai**, *Awarded the Ms. Sushila Gupta Excellence Award* for Highest Cumulative Grade Point Average (CGPA) earned in the Master of Design Programme, Indian Institute of Technology Delhi, August 2026.
4. **Jay Jagad Mukeshbhai,** *National Winner in Seating Design Category*, Wipro iDesign Challenge 2025.
5. **Varun Sai Koruprolu**, Shortlist Laureate for the Don Norman Design Award (DNDA) 2024. https://dnda.design/project/y24-v8xytko5sxealkr/

Teaching Experience

Lecturer

Indian Institute of Technology Delhi, Dept. of Design, New Delhi, India

DDP 1011/7010 - Human Factors in Design - 2	Spring 2026
DDP 1004/7002 - Human Factors in Design - 1	Fall 2025, 2026
DDL 742/DDP 7042 - Universal Design	Fall 2025, 2026
DDL 223 - Cognitive Ergonomics	Spring 2024
DDD 891/DDD 8001 - Design Project - 2 (Coordinator)	Fall 2023 - 2026
DDD 792/DDD 7006 - Design Project - 1 (Coordinator)	Spring 2022, 2024, 2026
DDL 123/DDP 722 – Applied Ergonomics	Fall 2021 - 2024
DDL 810 - Special Topics in Design - Body Conscious Design	Spring 2021

Cornell University, Dept. of Design & Environmental Analysis, Ithaca, NY, USA

DEA 1100 – Design Generation(s)	Summer 2018
DEA 1110 – Making a Difference by Design	Summer 2017

National Institute of Design Ahmedabad, Ahmedabad, India

Human Factors & Ergonomics - Furniture & Interior Design (B. Des. & M. Des.)	Fall 2022~2023
Cognitive Ergonomics - Product Design (B. Des.)	Fall 2021
Human Factors for Design - Product Design (B. Des. & M. Des.)	Fall 2011~2013
User Interface Design - Product Design (B. Des. & M. Des.)	Fall 2011~2013
Senior Design Studio - Product Design (B. Des.)	Spring 2012~2014

Indian Institute of Technology Gandhinagar, Dept. of Design, Gandhinagar, Gujarat, India

Human Factors for Design and Technology Module (M. Des.)	Fall 2026

Netaji Subhas University of Technology, New Delhi, India

Applied Ergonomics - Select Lectures (B. Des.)	Fall 2026

Invited Jury Member

National Institute of Design Haryana, Kurukshetra, India

B. Des. 4th Semester - Product Design	Spring 2022
B. Des. 5th Semester - Product Design	Fall 2020
B. Des. Graduation Jury	Fall 2020, Spring 2021

National Institute of Design Assam, Jorhat, India

B. Des. 3rd Semester - Product Design	Fall 2020

National Institute of Design, **Ahmedabad & Gandhinagar,** India

Graduate Studio - Transportation & Automobile Design (M. Des.)	Fall 2011~2013
Foundation Studio - B. Des. Freshman Year Common Studio (B. Des.)	Fall 2012~2013
Senior Studio - Exhibition & Spatial Design (B. Des.)	Spring 2012~2013
Graduate Studio - Product Design 2nd Semester (M. Des.)	Spring 2022

School of Planning & Architecture Delhi, New Delhi, India

M. Des. 3rd Semester - Industrial Design	Fall 2022, Fall 2024

M. Des. 2nd Semester - Industrial Design — Spring 2025

Indian Institute of Technology Roorkee, Roorkee, India
M. Des. 4th Semester - Dept. of Design — Spring 2025

School of Planning & Architecture Bhopal, Bhopal, India
National Student Design Competition (NSDC) — Spring 2013
Sophomore Architectural Design Studio (B. Arch.) — Spring 2014
Final Year Architectural Thesis (B. Arch.) — Spring 2023

Jamia Milia Islamia, New Delhi, India
M. Des. 4th Semester (Dept. of Design and Innovation) — Spring 2023

Indian Institute of Information Technology, Design & Manufacturing, Jabalpur, India
M. Des. 4th Semester - Design Discipline — Fall 2025

National Centre for Promotion of Employment for Disabled People, New Delhi, India
NCPEDP–Mphasis Assistive Technology Hub Pitch Event — Fall 2026

Ministry of Commerce and Industry, New Delhi, India
Design Hackathon - Vending Cart Design Challenge — Fall 2021

Delhi Public School R. K. Puram, New Delhi, India
Design Thinking and Problem Solving - Girls in Tech Event — Fall 2022

Graduate Teaching Assistant

Cornell University, Dept. of Design & Environmental Analysis, Ithaca, NY, USA
DEA 1100 – Design Generation(s) — Summer 2017
DEA 2030 – Digital Communications — Spring 2017
DEA 4402 - Competitions Studio — Spring 2016~2017
DEA 4040 - Professional Practice — Spring 2016~2017
DEA 3500/6510 - Human Factors — Fall 2015~2017
DEA 3510/6520 - Ambient Environment — Fall 2015~2017

Georgia Institute of Technology, School of Industrial Design, Atlanta, GA, USA
ID 3320 - Design Methods — Fall 2010

Academic Service

Journal Reviewer

Applied Ergonomics — 2020
Ergonomics — 2020
Industrial Health — 2021
Journal of Occupational Safety and Ergonomics — 2020
Healthcare Environments Research and Design — 2025
Ergonomics in Design — 2025 - 26

Japan Journal of Nursing Science	2026
Scientific Reports	2026

Conference Reviewer

International Ergonomics Association (IEA) Triennial Conference	2024
Human Factors & Ergonomics Society (HFES) Annual Conference	2016-2020
Environmental Design Research Association (EDRA) Annual Conference	2017-2023
International Conference on Research Into Design (ICoRD)	2022-2026
Humanizing Work and Work Environments (HWWE)	2026
International Conference on Design & Innovation Studies (ICDIS)	2026

Doctoral Research Reviewer

Dept. of Architecture, School of Planning and Architecture Bhopal, Bhopal, India	2023
Dept. of Design & Manufacturing, Indian Institute of Science, Bengaluru	2026

Indian Institute of Technology Delhi, New Delhi, India

Committee Member, **SAGE Scheme, Ministry of Social Justice & Empowerment**	2024 onwards
Faculty Advisor, **Office of Accessible Education (OAE)**	2024 onwards
Coordinator, **Master of Design (M. Des.) Programme**	2023 onwards
Convenor, **Departmental Faculty Board (DFB)**	2021 - 2023
Member, **Departmental Research Committee (DRC)**	2021 onwards
Nominated Member, **Alumni Relations Committee (ARC)**	2023 onwards
Advisory Committee Member, **Hostel Infrastructure**	2021 - 2022
Alternate Member, **Bureau of Indian Standards (BIS) - SSD24 Ageing Societies**	2026 onwards

Cornell University, Ithaca, NY, USA

Co-Founder, **Design & Environmental Analysis Graduate Student Association**	2016
Board Member, **India Association at Cornell University**	2017 - 2018
Member, **ASHA for Education – Cornell Chapter**	2015 - 2018

National Institute of Design, Ahmedabad, India

Faculty & Coordinator, **Product Design Department**	2011 - 2014
Coordinator, **Research Methodology Course - M. Des Program**	2012 - 2014
Committee Member & Convener, **Tata Universal Design Research Chair**	2012 - 2014
Organizing Committee Member, **International Open Electives Design Workshop**	2013
Organizing Committee Member, **National Sizing Standards for India Seminar**	2013
Admissions Committee Member, **M. Des. Product Design**	2014
Member, **Credit & Evaluation Committee**	2012 - 2014
Member, **Courses of Study Review Committee - Product Design**	2012
Nominated Member, **Bureau of Indian Standards (BIS) - Ergonomics Committee**	2013 - 2014

Related Professional Experience

Associate Industrial Designer, **Antenna Design New York Inc.** Spring 2011

Assisted principal designer in concept development, product visualization and rapid prototyping of design projects for Mass-Transit Systems, Office Workspaces, and Medical Devices. Clients included Washington Metro, New York Metropolitan Transport Authority, Knoll, and Johnson & Johnson.

Graduate Research Assistant, CATEA, **Georgia Institute of Technology.** 2008 - 2010

Dental Workspaces Project: Conducted field studies, full-scale prototyping and user tests to design dental work environments that provide upper-body support and promote neutral posture to dental professionals. Co-authored publication of research findings in proceedings of HFES 2012.

Inclusive Indoor Play Project: Investigated indoor play behavior of children with/without disabilities, aged 4 ~ 8 years. Developed study protocol, coordinated full-scale simulation, analyzed data and drafted design guidelines for Inclusive Play. Results published in proceedings of HFES 2009, 2010.

Industrial Designer, **Pentair Water India Private Limited.** 2006 - 2008

Oversaw concept development; designed and rapid prototyped functional models, and facilitated focus group discussions to design, develop and validate new designs of domestic water purifiers for North American and European markets. Clients included GE Water, BRITA, and PUR.

Professional Memberships

Member, Aeging Societies Sectional Committee, Bureau of Indian Standards (BIS)	2025 - present
Member, Indian Society of Ergonomics (ISE)	2024 - present
Member, International Association of People-Environment Studies (IAPS)	2020 – present
Member, Human Factors & Ergonomics Society (HFES)	2009 – present
Member, Environmental Design Research Association (EDRA)	2014 – present
Member, Industrial Designers Society of America (IDSA)	2008 – present
Licensed Architect, Council of Architecture (CoA), India	2005 – present