

Curriculum Vitae

DR. HAIMANTI BANERJI, PhD

Associate Professor

Department of Architecture and Regional Planning

Indian Institute of Technology Kharagpur



Educational Qualification

Degree / Examination	College / Institute	Board	Passing year	Discipline	Division / class	Marks / CGPA	Total marks / GPA	% of marks
Ph.D	IIT Kharagpur	IIT Kharagpur	2008	Architecture	1 st			
MCP	IIT Kharagpur	IIT Kharagpur	2004	City Planning	1 st	9.07	10	
B. Arch	Bengal Engineering College (DU)	Bengal Engineering College (DU)	2002	Architecture	1 st	80.28	100	80.28
Higher secondary	Modern High School for Girls	WBCHE	1997	Phys,Chem, Math, Bios	1 st	80.30	100	80.3
Madhyamik	Modern High School for Girls	WBCSE	1995		1 st	85.22	100	85.22

Professional Experience (last 5)

Nature of Experience	University/ Organization	Designation	From	To	Total Period
Teaching	IIT KHARAGPUR	ASSISTANT PROFESSOR	12-07-2010	30-06-2015	4Y 11M 24D
Industry	BENGAL SHRACHI HOUSING DEVELOPMENT LTD.	HEAD - DESIGN AND COORDINATION	12-02-2008	07-07-2010	2Y 4M 26D
Industry	DLF	ASSISTANT MANAGER, PLANNING	26-03-2007	08-02-2008	10M 19D

Specialization and Expertise

Universal Design, Behavioral Architecture, Urban Design, Town Planning and Settlement Planning, Housing and Neighbourhood Planning, Brownfield Development

Top ten publications in last ten years

- i. Banerji H, Alain A.C. Ekka, (2015). Designing Safer Cities - Review of Environmental Crime Prevention Strategies in GSTF Journal of Engineering Technology (JET), Vol.3 No.4
- ii. Banerji, H., (2015). An Attempt to Explore the Components of Empathic Architecture in Hospitals a Study Conducted in Indian Hospitals. Journal of Architecture and Urbanism, Volume: Issue 2015 No. 4. Theme: Empathic Architecture
- iii. Sarkar B., Banerji H., Sen J. (2014). Patterns of socio-economic deprivation and its impact on quality of life: Case of a less developed region in West Bengal, India. Athens Journal of Health, Vol 1, Issue 4, pp 271-286
- iv. Firoz, M., Banerji, H. & Sen, J., (2014). A Methodology to Define the Typology of Rural Urban Continuum Settlements in Kerala. Journal of Regional development and Planning, 3(1), p.49-60.
- v. Sarkar B., Banerji H., Sen J., (2012). Strategies to cope up socio-economic vulnerability for the backward regions of India. SPANDREL, Issue 4 (spring) pp 116.
- vi. Banerji, H., Sengupta, B. K., (2010). Integrated Strategy for Reduction of Earthquake Hazards, ABACUS, (Vol.5, No) pp 43.
- vii. Banerji, H., Barman. J. and Sengupta, B. K., (2009). Differential perception of psychophysical stress by physically disabled people with impaired mobility (PDIM). Journal of Disability and Society, UK.
- viii. Banerji H., Barman J. and Sengupta B.K., (2007). A psychological approach to universal design to public transportation mode. Abacus, Volume 2, No. 2, pp. 57- 66.

Summary of research output (papers, patents, technology development) PhD dissertation was on delineating "A Psycho- Stimulating Environment for Physically Disabled People with Impaired Mobility (PDIM)", in Indian Railway Stations. During the research, case studies were conducted with patients in National Institute of Orthopedically Handicapped to get a better understanding of problems and priorities. It also involved extensive surveys in railway stations. Objective was to identify and remove the various psychological and attitudinal barriers within the built environment and enable productive participation of people with disability in the society
Her research interest was carried forward and focused on identification of components of a therapeutic environment that would present a conducive setup for rendering optimum level of curative and palliative care within hospitals.

Future research areas:

- i. Urban Brownfield Development as a Tool for Sustainable Urban Future in the Global North and South countries
- ii. Architectural appreciation using immersive technology - validation of theories of environmental psychology and universal design in public spaces and residential neighborhood

Major sponsored R&D projects completed/handled

- i. To establish a Scientific Correlation between 2-d ecologic Footprints & 3-d built Formulation in (a) Indian architecture & (b) its relationship with the world
- ii. Re-development of Steel Township of IISCO Steel Plant at Burnpur, West Bengal
- iii. Creation of universally stimulating and responsive environment within hospitals – a conceptual research model
- iv. To establish linkages between iconographic reinterpretation of architecture & engineering patterns of pre-Buddhist /Vedic & Buddhist periods.
- v. Preparation of Zonal Development Plan for 14 Planning Zones of Bhubaneswar Development Plan Area.
- vi. Consultancy Services for Regional Planning – Environmental Master Planning and GIS Mapping for Commercial Center Site at Wadala, Mumbai

Technology development /translation/initiation
Dr. Banerji has been a Co- author of Universal Design India Principles (UDIP) led by head of Jamshedji Tata Universal Design Chair at NID. The outcome of this exercise was five principles of UD which were later copyrighted by NID.

Any other relevant information

- i. Co - Convener of the International Symposium on "Livable Habitat and Sustainable Urban Agenda, January 2016, Kolkata" in association with MoHUPA
- ii. Principal Coordinator of the study abroad programme jointly with Indiana University of Pennsylvania and IIT Kharagpur

Place: Kharagpur

Date: 22.08.2016