

Curriculum Vitae

Name	Sumana Gupta
Date of birth	February 17, 1969
Nationality	Indian
Marital Status	Married
Permanent Address	AD - 270, Sector I, Salt Lake Kolkata 700 064, West Bengal.
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Mobile:	(0) 9433729054
Languages known	English, Bengali, Hindi.

Academic Qualifications

- **Doctor of Philosophy, IIT Kharagpur**, awarded on **07.09.2012** (joined as Institute Scholar in July 2008).

Thesis Title: A Methodology for Assessing Service Quality of Infrastructure at Indian Railway Stations.

Subjects audited: (i) Total Quality Management, (ii) Applied Multivariate Data Modelling for Engineers and Businessmen.

- **Master in City Planning, IIT Kharagpur, July 2006 - June 2008; CGPA: 9.02, Rank: Third.**

Subjects audited: Urban Design

Thesis title: Planning for Land Use and Surface Transport Intervention along the Proposed East-West Metro Corridor, Kolkata.

- **Bachelor in Architecture (5-years degree course), Bengal Engineering College, Calcutta University, 1992; Percentage of marks: 79.28; 1st class, Rank: First.**

Professional Training and Courses attended

- Training for 8 weeks at Kolkata Metropolitan Development Authority (KMDA) during MCP course, May – June, 2007.
- Participated in the International Workshop on High-rise Buildings at the Department of Architecture, Delft University of Technology, The Netherlands, for six-weeks in June – July, 1995.
- *Trainee Architect* for 6 months (June – November, 1991): M/s Dulal Mukherjee and Associates, 28B Theatre Road, Calcutta 700071, as a part of B. Arch course curriculum.
- MHRD/ AICTE sponsored short term course on Statistical Modelling and Data Analysis at IIT Kharagpur, 30th November to 11th December, 2009.
- Knowledge Based Systems in Engineering / Soft Computing at Department of Mechanical Engineering, IIT Kharagpur, 13th to 17th December, 2010.

Professional Experience prior to joining IIT Kharagpur as Assistant Professor

- (1) Senior Urban Planner**, Superior Global Infrastructure Consulting Pvt. Ltd., Kolkata.
Period: October 2012 – June 2013.

Tasks: Preparation of Comprehensive Mobility Plan for Bhubaneswar, Cuttack, Puri and Konark Planning Area under JNNURM.
Comprehensive Mobility Plan in view of Nabakalebar Puri 2015 in Odisha.

- (2) Lecturer**, North Calcutta Polytechnic, Govt. of West Bengal.
Period: November 1999 – September 2006.

Tasks: Teaching subjects like Materials and Building Construction, Professional Practice, Contemporary Architecture, Conducting sessional classes for working drawings, Basic Design, Architectural Design, Project & Interior Design for students of three year Diploma Course.
Related administrative works like in semester examination in-charge, member of syllabus committee meeting, external examiner in centralized evaluation system.

- (3) Assistant Architect**, Municipal Engineering Directorate, Govt. of West Bengal.
Period: November 1998 – November 1999.

Tasks: Design of public buildings – office, market complex, community halls, dormitory cum marriage halls under various schemes for IDSMT projects.
Periodic site visit in different municipalities for work supervision.
Instructing draftspersons for preparation of Architectural drawing.

- (4) Project Architect**, Development Consultants Ltd., 24-B Park Street, Kolkata 700016.
Period: August 1992 – November 1998.

Tasks: Design and Working Drawing preparations for:

- (1) Housing for industrial townships for UCIL at Turamdihi and Narwapahar, for ACC at Falta, WB, for ONGC at Annanagar, for Nagarjuna Aqua Culture, Mahanadi Coalfields etc.
 - (2) Gallenium Arsenide Technology building, Hyderabad.
 - (3) Panel detailing for 2X250 MW El-Kureimat Power Plant in Egypt.
 - (4) Railway station cum commercial complex at Navi Mumbai for CIDCO.
 - (5) Stage Craft design of Science City, main auditorium NCSM, Calcutta.
- Working in a team as prime consultant for World Bank Aided Hospital Project for Hospital Infrastructure Upgradation of 200 Govt. Hospitals in West Bengal, 1998.
 - Working in own capacity for factory design of Kontest Chemicals Corporation Ltd.
 - Participating in competition designs, attending meeting and visiting sites.
Guiding Architectural Assistants for preparation of drawings.
Checking drawings and interacting with interdisciplinary departments.

Computer Knowledge: Proficient in MS Office (Word, Excel, Power point), AutoCAD, SPSS and AMOS software.

Total Professional Experience

Industrial experience: 7.5 years
Teaching experience: 7.5 years

Area of Expertise

Architectural Design, Facility Planning and Quality Evaluation

Scholarships / Awards / Honours

- Honorary invited faculty for one semester (2004) in the University of Southampton, UK for the course Civil Engineering and Architecture.
- Special invited lecture on Hospital Design in B.E. College (D.U).
- Institute Scholarship for carrying out research work.
- GATE scholarship during MCP course; GATE 2005 score: 98.00 percentile, Rank: 23.
- International Travel Support from Department of Science and Technology, New Delhi and Indian Institute of Technology Kharagpur to attend International Conference in USA.
- University Merit Scholarship holder during 5-year Bachelor's degree course in Architecture.

Publications in International Journals and Conferences

- Gupta S. and Datta R.N. "Prioritizing Service Attributes for Quality Up-gradation of Indian Railway Stations", *The TQM Journal*, 2012, Volume 24, Issue 2, pp. 167-180. Emerald Group Publishing Limited.
- Gupta S. and Datta R.N. "A comparative study of two different techniques for evaluating service quality: A case study of Howrah Railway Station, India", *Asian Journal on Quality*, 2010, Volume 11, Issue 3, pp 223-235. Emerald Group Publishing Limited.
- Gupta S. and Datta R.N. "A Method for Service Quality Evaluation of Indian Railway Stations", *The 12th International Research Symposium on Service Excellence in Management*, Cornell University, Ithaca, New York, June 2-5, 2011.
- Gupta S. and Datta R.N., "Passenger Dispersal Plan for the Proposed East-West Mass Rapid Transit Corridor in East Kolkata", *Journal of the Institute of Town Planners, India*, 10, No. 2, pp 79-88, 2013.
- Gupta S., "Facilities for Passenger Movement to Decongest Underground Stations" , *Journal of The Institution of Engineers (India): Series A*, 95 (4), pp 269-276, 2014.
- Gupta S. Concealed Utility Route Planning: Guidelines for Indian Residential Buildings by *Journal of The Institution of Engineers (India): Series A*, Vol 96, 3 pp 207-213, 2015.
- Gupta S. and Datta R.N., "A methodology for component level improvement of passenger facilities at the Howrah Railway Station in India" *The TQM Journal*, 28, 3, pp. 496-526 2016.

Professional Memberships

- Indian Institute for Architects (Life Member), Regd No.: 12404
- Council of Architecture (Life Member), Regd No.: CA/94/ 16932
- Member of Institute of Town Planners, India. Regd. No.: 2010-002

Place: Kolkata

Date: 18-02-2013

Sumana Gupta