

EDUCATION

Ph. D. Indian Institute of Technology Roorkee (2008)
B. Arch. Five Year Degree (FIRST Division: 76% marks)
 from Lucknow University (1997)

Merit / National Scholarship holder throughout education

Continuous Learner: Completed 21 STTPs / FDPs / SLMs

**CAREER PROFILE**

Feb 2022 to July 2023	Professor of Architecture , DIT University Dehradun
Dec 2017 till Dec 2021	Professor, Former Head-SoALD & Director-QA , SMVDU
Mar 2014 to Mar 2017	Professor & Dean – Architecture, Galgotias University
Jun 2011 to May 2013	Manager-Architecture at JACOBS Engg. (USA Based MNC)
Dec 2008 to Jun 2011	Assistant Manager at TATA Consulting Engineers Limited
Jan 2008 to Nov 2008	Sr. Architect with ‘Satellier’ & ‘Era Landmarks’
Jul 2004 to Dec 2007	Research Scholar at Indian Institute of Technology Roorkee
Dec 2000 to Jul 2004	Lecturer at National Institute of Technology, Hamirpur
Nov 1997 to Dec 2000	Lecturer at Aligarh Muslim University, Aligarh

AFFILIATIONS / MEMBERSHIP / RECOGNITION

Registered with **Council of Architecture** as ARCHITECT in India (CA/1998/23120)
Life Member of Indian Society for Technical Education (**ISTE**) (LM 38358)
 Indian Green Building Council Accredited Professional **IGBC-AP** (2997)
 Fellow of The Indian Institute of Architects, Mumbai **FIIA** (F 13839)
 Associate Member of Indian Society of Lighting Engineers, New Delhi (AM 0763)
Member-Expert Visit Committee and **Scrutiny Committee** of **AICTE**
Member / Convener – **Expert Visit Committee** of **Council of Architecture (CoA)**
Member / Convener – Visiting Team of **NCTE** for Inspection of Institutions
Reviewer – Research Proposals for Fellowship Research Grants of **UGC**
External Expert on Panel of National Accreditation Board for Education and Training **QCI**.
Session Chair, Member Technical Committee in National & International Conferences
Reviewer of Papers in National and International Conferences,
External Examiner for UG, PG & PhD in many Govt and Private Institutions across India.
Lead Auditor (Certified by ICL Certification - Moody International) for **ISO 9001 (QMS)**

COMPUTER SKILLS

Proficient in AutoCAD –2016 (2D & 3D) and Google SketchUP
 Beginner in REVIT 2014 and Microstation V8i (2D)
 Beginner in ANSYS ICEM 14.5 & FLUENT 14.5
 Proficient in MS Office 2010/2019

SPECIALIZATION

Thermal Comfort & Energy Efficiency in Built Environment, Sustainable Architecture.
 Architectural Pedagogy, Constructive Criticism and Value Addition in Architectural
 Design & Details, Effective Teaching Learning are the areas of interest.

Doctoral Research Study (Ph.D.) Title;

“**Modelling Thermal Performance of Buildings in Composite Climate of India**”.

ACHEIVEMENTS / CONTRIBUTIONS

- **Publication of 03 Books, 01 Manual and 25+ Technical / Research Papers** in National and International Journals (06 in SCOPUS Indexed: 01 in Q1, 02 in Q2 ranked).
- **Accreditation (NAAC) Process Initiation & Monitoring** at SMVD University.
- **Implementation of Outcome Based Education** at SMVD University.
- **Quality Initiatives** at SMVDU to strengthen academics.
- **Conducted Faculty Development Programs** on Effective Teaching Learning in Higher Education / Architectural Education in Institutions across India.
- **Evolved Effective Teaching Methodologies** for core Architectural Courses.
- **Developed Curriculum and Syllabus** of B. Arch. Five Year Full Time Degree Program.
- Conducted **Educational Tours** to places of Architectural & Historical importance across India.
- **Organized Industry Institute Interactions** for B. Arch. Students at SMVD University.
- **Prepared 20+ PPT Presentations and 6 Educational Videos** on Architectural Subjects.
- **Organized National Level WEBINARS on Building Services** for architecture faculty and students.
- **Architectural Design and Detailing** of more than **30** Medium and Large Scale Projects including Commercial, Institutional, Industrial (Biotech & Pharmaceutical), Recreational, Hotels, Residential & Townships.

Biotech and Pharma Projects include following facilities:

(Liquid, Tablet, Capsule, Ointment, IV Infusions, Drug Substance and Drug Products)

PUBLICATIONS

1. Book entitled '**SCIENCE Beyond QUANTUM**' (Converting Light to Matter), paperback and kindle version published by KDP Amazon (June 2021) ISBN: 979-8512650578.
2. Book entitled '**More Effective Teaching Learning**' (Become A Superior Teacher), Paper Back and kindle version published by KDP Amazon (May 2017). ISBN: 9781521187920
3. Book entitled '**Ancient Indian Architecture**' (From Blossom to Bloom) in joint authorship with Sanjeev Maheshwari, published by CBS Publishers & Distributors, New Delhi (2001). ISBN: 8123907656
4. MANUAL "**Advanced Construction Materials**" Co-Edited with Virendar Kumar, Tripta Goel and Surjit S. Katoch, published by Arun Publishing House Pvt. Ltd., Chandigarh (2002).
5. MANUAL on "**Building Sciences**" and BOOK on **School Building Design** is under preparation.
6. "**Rock cut Congregational Spaces in Ancient India**" Research Paper published in Australian International Journal "Architectural Science Review", Vol. 47 (June 2004), p 199-203.
7. "**Selection of Building Materials: An Eco-Friendly Approach**" Research Paper co-authored with Bhanu Marwaha published in The Construction Journal of India, Feb. 2003, p 45-48.
8. "**Glass – Gloss Glimpses Glazes**" Research Paper co-authored with Dr. Ashok K. Gupta published in The Construction Journal of India (CJI), Sep. 2003, p 29 - 32.
9. "**Technical Factors in Design of Sustainable Commercial Buildings**" Research paper published in The Journal of Indian Institute of Architects, Sep. 2003 p 34 – 39.
10. "**Pristine Impressions of Civilization**" Research Paper published in The Journal of Indian Institute of Architects (JIIA), Feb. 2004, p 25 – 29.
11. "**Design Destination – CHAMBA**" Academic Study of Architectural Heritage of Chamba District (HP) published in Indian Design & Interiors (IDI), Feb. 05, p 90 – 96.
12. "**Ornamentation in Architecture – Ancient Wisdom and Modern Science**" Research Paper co-authored with Prof. R. K. Jain Published in (JIIA), Jan 2005, p 48 – 54.

13. **“Iconographic Idioms of Sanchi”** Research Paper co-authored with Prof. R. K. Jain published in The Journal of Indian Institute of Architects (JIIA), May 2005, p 12 – 15.
14. **“SENSORS – the Spirit of Built Environs”** Technical Paper co-authored with Prof. R. K. Jain published in Architecture + Design (A + D), Oct. 2005, p 54 – 60.
15. **“Architectural Education and Professional Interface”** Invited Paper presented in National Seminar organized by The Indian Institute of Architects (UP & UA Chapter) at Lucknow on Jan 5-6, 2002.
16. **“Conjectural Restoration of Heritage Buildings & Monuments in India: Strategy & Methodology”** Research Paper presented at National Conference “HeritageCon-2002” organized by Central Building Research Institute on April 4-5, 2002.
17. **“Energy Audit in Built Environment – Room by Room Solutions”** Research Paper presented at National Conference “Emerging Energy Technologies NCEET- 2003” organized by Mechanical Engineering Department, NIT, Hamirpur (HP) on March 28-29, 2003.
18. **“Advances in Application of Non-Ferrous Metals in Building Construction”** Technical Paper published in Seminar Proceedings of National Conference “AICM-2002” held at NIT, Hamirpur (HP) on April 8-9, 2002.
19. **“Praachin Bharat mey Sthapatya : Kala vai Vigyaan ka Adbhud Sangam”** (in Hindi), Research Paper presented in National Symposium organized by National Physical Laboratory, New Delhi in Feb. 2004.
20. **“Natural Drains to Transform Urban Growth Areas”** Research Paper published in WORLD WATER Nov-Dec 2012, p 26-28.
21. **“Model of Sustainable Built Environment for Smart Cities”** Research Paper presented in NATCON SBE 2015 organized by Department of Arch. & Plan. IIT Roorkee April 10-11, 2015.
22. **“Quest to Inculcate VALUES in Architectural Design”** Paper contributed in International Conference organized by SoALD at SMVDU (March 2017).
23. **“Advantages, Disadvantages and Challenges of Sustainable Vertical Cities”** Paper published in International Journal of Engineering & Technology, Volume: 05 Issue: 01, Jan-2018.
24. **“Need of Multi-Hazard Risk Mitigation in Bihar”**, Satyanshu Kumar, **Rajeev Garg** and others. Paper published in International Journal on Emerging Technologies 10(3): 276-280 (2019) (SCOPUS Indexed Journal).
25. **“Conventional Architecture of Jammu: An Analytical Review”**, Anoop Sharma, **Rajeev Garg** and Arshia K Hazarika, Paper published in International Journal on Emerging Technologies.
26. **“Cultural Manifestation through Architecture: An overview”** International Research Journal of Engineering and Technology (IRJET) Emerging Technologies 10(3): 114-122 (2019) (SCOPUS Indexed Journal).
27. **“Methodological Approach towards Reliving Katra: A Cultural Cluster for Tourism”** Geetika M., Sharma A., Rajeev Garg, Paper published in International Journal on Emerging Technologies 10(1): 169-175(2019).

CONTINUOUS LEARNING

1. One Week FDP on **“Inculcating Universal Human Values in Technical Education”** organized by AICTE during 09 to 13 August 2021.
2. One Week FDP on **“Animation Film Design”** organized by AICTE ATAL and JAIN (Deemed to be University) during 27 to 31 July 2021.
3. One Week FDP on **“PHOTONICS: Fundamental and Applications”** organized by AICTE ATAL and Samrat Ashok Technical Institute during 28 Jun to 02 Jul 2021.
4. One Week FDP on **“3D Printing and Design”** organized by AICTE ATAL and Dr Mahalingam College of Engg and Tech. during 06 to 10 July 2021.

5. One Week FDP on “**Artificial Intelligence**” by AICTE (ATAL-FICCI) Delhi, 15-19 June 2020.
6. One Week STTP on “**VASTISHASTRA**” organized by IQAC of Tulsiramji Gaikwad-Patil College of Architecture Nagpur, 08 to 12 June 2020.
7. One day WEBINAR on “**Enhancing Research Effectiveness using SCOPUS, Sciencedirect and Mendley**” organized by FDC of Kurukshetra University & ELSEVIER on 01 May 2020.
8. One Week STTP on **Risk Reduction & Disaster Mitigation** at VNIT Nagpur, 11-15 March 2019.
9. One Week Program on “**GIS & GPS Technologies**” (under TEQIP) attended at Department of Civil Engineering, IIT Roorkee in December 2015.
10. Three Days International Conference (with Tutorial Sessions) on ‘**Energy Efficient LED Lighting & Solar PV Systems**’ at IIT, Kanpur in March 2014.
11. One Week Workshop on ‘**Fundamentals of CFD & Software Training**’ organized by Department of Mechanical Engineering, VNIT, Nagpur in 2014.
12. One Week Short Term Training Program ‘**Recent Advances in Solar & Wind Energy**’ organized by MANIT, Bhopal in 2014.
13. Two day advanced training program “**Green Building Rating System for New Construction**” organized by IGBC & CII at New Delhi, 2009.
14. One week Short Term Training Program ‘**Quality Management System as per ISO 9001: 2000**’ organized by Moody International / ICL Certification Ltd. at New Delhi in 2007.
15. Two week Short Term Training Program on ‘**Rethinking Our Cities: Contemporary Practices and Modern Trends in Urban Design**’ organized by Department of Architecture, The MS University of Baroda, Vadodara in 2003.
16. One week Short Term Training Program ‘**Modern Trends in Use of Colors in Buildings**’ organized by Department of Architecture & Planning, IIT, Roorkee in 2003.
17. Two Days National Conference on ‘**Emerging Energy Technologies**’ organized by National Institute of Technology Hamirpur in 2003.
18. Two week Short Term Training Program on “**Criteria of Design of Buildings in Composite Climate**” organized by Govt. College of Architecture, Lucknow in 2001.

ATTRIBUTES / STRENGTH

Leadership with Team Spirit, Problem Solving Attitude, Rational & Inclusive Approach, Good Listener, Continuous / Life Long Learner, Decision Making, Respect Human Social & Environmental Values.

SCOPE of IMPROVEMENT

Believe in VALUES & ETHICS. Do not Compromise on QUALITY or Established Values. Little Flexibility, so far as Adherence to Rules & Regulations is concerned. Perfectionist’s Attitude.

LANGUAGES KNOWN

	Hindi	English	Japanese
Proficiency Level	Excellent	Excellent	Beginner

PERSONAL INFORMATION

Date of Birth	Gender	Nationality	Marital Status	Father’s Name
21 August 1973	Male	Citizen of India	Married	Late Sh Jagdish C. Garg

Date: 29 SEP 2023 Place: Dehradun

Sd/-
(Dr. Rajeev Garg)