

RESUME

Dr. Jimmy Gupta
Head of the Department
(Assistant Professor and Structural Engineer)

Baba Farid College of Engineering & Technology, Baba Farid
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Aggarwal Colony, Bathinda (Pb), 151001.

Personal Details:

Name: Dr. Jimmy Gupta
Father's Name: Sh. Amrit Pal Gupta
Date of Birth: 10th June, 1993
Marital Status: Married
Gender: Male
Nationality: Indian
Language Known: English, Hindi and Punjabi

Hobbies:

- Travelling to new places
- Cooking
- Watching Movies
- Research and Innovation

Strength:

- Leadership and Responsible.
- Fast Learner, Problem Solver and ability to clarify any issue.
- Ability to work especially in tough period and in extra hours when required.
- Flexible, Adaptable, Stress Tolerance and Decision Maker.
- Results Achiever even under pressure.

Career Objective:

To secure a rewarding position in teaching and research through continuous learning, where I can apply my skills, demonstrate my talent, and contribute to institutional goals with integrity, passion, and dedication in a dynamic, intellectually stimulating environment.

Professional Experience:

- Head of the Department (HOD) in Baba Farid College of Engineering & Technology, Baba Farid Group of Institutions, Bathinda from 14th May, 2025 to till date.
- Assistant Professor in Lovely School of Architecture & Design and School of Civil Engineering, Lovely Professional University, Phagwara from 25th July, 2017 to 13th May, 2025.
- Text-book Solution (TBS) Expert and Subject Expert in Trivium Education Services Pvt. Ltd from 14th March, 2021 to 31st March, 2022 (Free Lancing) and provided solutions of approx. 550 different national/international level questions.
- DMR Builders Pvt. Ltd. (01 July 2014 - 30 June 2015) as a SE (Site Engineer) in Pathankot Project, Punjab.
- Six Months Internship under Thermax Ltd during B.Tech.

Educational Qualification:

Sr. No.	Course	Board/University	Duration	Score
1.	Ph.D	Lovely Professional Uni. Phagwara	6-years (2018-2024)	8.50 (Awarded)
2.	M.Tech (Structural Engg.)	VIT University Chennai Campus	2-Year (2015-2017)	8.30
3.	B.Tech (Civil Engg.)	Punjab Technical Uni. Jalandhar	3-Year (2011-2014)	70.20
4.	Diploma (Civil Engg.)	PSBTE&IT Chandigarh	3-Year (2008-2011)	68.20
Regular Matric from Punjab School Education Board, Mohali 2008.				

Skill Knowledge:

- **Software:** AutoCAD, Staad Pro, ETABs, Office etc.
- **Designing:** Analysis & Designing of multi-storey buildings etc.
- **Technical:** Design of RCC and Steel Structure's, Finite Element Analysis, Structure Dynamics, Retrofitting and Rehabilitation, Estimation and Costing etc.
- **Language:** English, Hindi and Punjabi.

Research Interest:

- Construction materials
- Components of RCC and Steel Structures.

Achievements/ Publications/ Proceedings/ Conferences/Workshops/FDPs:

a) Speaker/Chair Person/Session Expert/Peer Reviewer/Guest

- Invited as a Keynote Speaker in an “International Conference on Applied Science, Business & Management, Engineering & Technology (ICABMET-2025)”, organized by Dashmesh Khalsa College, Zirakpur (Mohali), in association with Confworld Educational Research and Development Association (CERADA), Chennai, Scopus Indexed, held on 23rd & 24th July, 2025, in Chennai, India.
- Invited as a guest/session expert in “Akashwani - All India Radio for Live Session” to share thoughts and expertise on “International Zero-Waste Day” at Akashwani Ludhiana centre on 30th March, 2024.
- Invited as a Session Speaker and Session Chair in a “45th World Conference on Applied Science, Engineering and Technology (45th WCASET-2023)”, organized by Institute for Education Research and Publication, Scopus Indexed, held on 29th & 30th December, 2023, in Goa, India.
- Invited and served as a peer reviewer of “5th Neo International Conference on Habitable Environments and International Professionals Meet (NICHE - IPM) 2023, held on 12th-13th October 2023, organized by Lovely School of Architecture and Design, at Lovely Professional University, Punjab.
- Invited as a Session Speaker in an “International Conference on Recent Advances in Technology, Engineering, Science and Management (ICRATESM-2023)”, organized by Dilkap Research Institute of Engineering and Management Studies, Mumbai, Scopus Indexed, held on 16th & 17th March, 2023, in Mumbai, India.

b) International/National Memberships:

- Active Review Committee Member in International Review of Civil Engineering (IRECE).
- Active Review Committee Member in International Journal on Engineering Applications (IREA).
- Active Review Committee Member in Advance in Science, Technology and Engineering Systems Journal (ASTESJ), and holding Member ID: AJR11501.
- Active Review Committee Member in Journal of Emerging Technology and Innovative Research, and holding Member ID: 116497.
- Active Review Committee Member in American Journal of Civil Engineering, Science Publishing Group.

c) International/National Patent Publications:

- Priyanka Shukla, Mahendra Joshi and Jimmy Gupta (2022), “A sustainable and comfortable bamboo chair” for comfortable sitting especially for the old people, 202211029295, Patent No. – 435967.

- Jimmy Gupta, Mahendra Joshi and Atul Khosla (2022), “A system for preventing reverse flow from drainage pipes” in the buildings, 202211024084.
- Jimmy Gupta and Gunjan (2022), “A multi-functional passkey” to operate different sizes of nut and bolts, 202211028733.
- Avinas S Das, Tarlochan Singh and Jimmy Gupta (2022), “A novel adjustable holder cum table for automobiles”, 202211033033.
- Jimmy Gupta, Gunjan and Tarlochan Singh (2022), “A novel multifunctional pruning cutting and collection tool” for fruits and vegetables from trees, bushes or vines etc without climbing and plucking, 202211035104.
- Mohamad B M, Tarlochan Singh, Vivek Sharma, Jimmy Gupta, Ravinder Kumar (2022), “A novel multipurpose flexible holder for two wheelers” to adjust electronic devices such as mobile phones, 202211034775.

d) International/National Copyright Registrations:

- Gunjan, Jimmy Gupta, Vandana Gupta, Dakshita Bansal and Ankit Kumar (2023), “A study on the walkability index in the Southeast Asian Cities”, Dairy No. is 25799/2022-CO/L and the Registration No. is L-123086/2023.
- Jimmy Gupta and Gunjan (2023), “Seismic Rehabilitation and Retrofitting”, Dairy No. is 9889/2023-CO/L and the Registration No. is L-126883/2023.
- Jimmy Gupta, Gunjan, Amrita Shukla, Mahendra Joshi and Tarlochan Singh (2022), “A system proposed to re-use the waste water from bathtub for flushing”, Dairy No. is 11894/2022-CO/L and the Registration No. is L-118345/2022.
- Jimmy Gupta and Gunjan (2022), “Study the conditions of slums in India” and Jalandhar is taken as an example, Dairy No. is 11892/2022-CO/L and the Registration No. is L-118344/2022.
- Gunjan and Jimmy Gupta (2022), “Reaffirming indigenous identity through architecture: Ranchi”, Dairy No. is 11895/2022-CO/L and the Registration No. is L-118346/2022.
- Gunjan and Jimmy Gupta (2022), “Biography of Foot: The know-how of pedestrians”, Dairy No. is 14939/2022-CO/L and the Registration No. is L-119949/2022.

e) International/National Book Publications:

- Jimmy Gupta and Gunjan (2023), “Seismic Rehabilitation and Retrofitting”, academic authored book with ISBN: 978-9357049252.
- Gunjan and Jimmy Gupta (2022), “Biography of Foot” The know-how of pedestrians, academic authored book with ISBN: 978-9356283169.
- Mostafizur Rahman, Jimmy Gupta and Nagendra Narayan (2022), “Towards Sustainable Architecture: Theories and Applications”, a special issue with ISBN: 978-9394068018.

f) International/National Book Chapters/Proceedings:

- Gunjan and Jimmy Gupta (2024), “Enhancing Urban Livability through Pedestrian Friendly Environments”, Sustainable Pathways: Navigating Interdisciplinary Challenges, Lovely Professional University, volume – 1, chapter – 9, page: 99-199, ISBN: 978-81-970772-9-6.

- Gunjan, Jimmy Gupta and Jaspreet Singh (2023), “A review of safe city concept”, Research Trends in Multidisciplinary Research, Akinik Publications, volume – 44, chapter – 9, ISBN: 978-9355706850.
- Priya, Sainabou, Gunjan, Jimmy Gupta (2023), “Introduction to Project Management”, Principles, Fundamentals and Practice of Management, Weser Books Germany, volume – 7, chapter – 5, ISBN: 978-3964924186.
- Gunjan and Jimmy Gupta (2022), “Green roofs as urban ecosystems”, Current advances in civil engineering research, Integrated Publications, volume – 1, chapter – 8, ISBN: 978-9393502926.
- Jimmy Gupta and Gunjan (2022), “Performance of coconut fiber reinforced concrete”, Futuristic trends in construction materials & civil engineering, Iterative International Publishers (IIP), volume – 2, part - 2, chapter – 5, ISBN: 978-9395632980.
- Gunjan and Jimmy Gupta (2022), “Fatehpur Sikri: A city frozen in time”, Emerging Trends in Engineering and Technology, Integrated Publications, volume – 6, chapter – 3, ISBN: 978-9393502452.
- Jimmy Gupta and Hema Nayal (2022), “Passive Cooling Techniques for Buildings in Hot and Dry Climate: Case Study”, Towards Sustainable Architecture: Theories and Applications, chapter – 4, page – 41-50, ISBN: 978-9394068018.
- Jimmy Gupta, Himmat Bhatia and J. Chakka (2022), “Use of Biomaterials in Construction Industry”, Towards Sustainable Architecture: Theories and Applications, chapter – 11, page – 118-125, ISBN: 978-9394068018.
- Jimmy Gupta, Mostafizur Rahman and Akshay Mohan (2022), “Prefabricated Bamboo Reinforced Wall Panels: An Approach to Low Cost Construction Technique”, Towards Sustainable Architecture: Theories and Applications, chapter – 12, page – 126-135, ISBN: 978-9394068018.
- Jimmy Gupta, Raminder Kaur and Harsh Gupta (2022), “Connecting Form of Tensile Structures with the Evolution of Materials”, Towards Sustainable Architecture: Theories and Applications, chapter – 13, page – 136-144, ISBN: 978-9394068018.
- Kamalpreet Kaur, Jimmy Gupta and Krishna Priya (2022), “Structural Strengthening in Mud Construction”, Towards Sustainable Architecture: Theories and Applications, chapter – 14, page – 145-153, ISBN: 978-9394068018.
- Tarundeep Kaur, Jimmy Gupta and Mostafizur Rehman, “Applying Biomimicry in Building Envelope Design; Improving Day-lighting In Classrooms”, Sustainability: An Era of Transformation in Human Habitat, Page - 24, ISBN: 978-9356278479.
- Deenadayalan, Jimmy Gupta and Mostafizur Rehman, “Identifying Building Elements for Application of Biophilic Design in India”, Sustainability: An Era of Transformation in Human Habitat, Page - 26, ISBN: 978-9356278479.
- Pranay Kumar, Jimmy Gupta and Mostafizur Rehman, “Application of Biophilic Design in Airport Terminal Buildings”, Sustainability: An Era of Transformation in Human Habitat, Page - 27, ISBN: 978-9356278479.
- Tanya Rawat, Jimmy Gupta and Mostafizur Rehman, “Materials and Construction Techniques in Low Cost Housing in Punjab”, Sustainability: An Era of Transformation in Human Habitat, Page - 28, ISBN: 978-9356278479.

- L. K. Reddy, Jimmy Gupta and Mostafizur Rehman, "Analysis of Noise Pollution in a University Campus: A Case of Lovely Professional University, Punjab", Sustainability: An Era of Transformation in Human Habitat, Page - 29, ISBN: 978-9356278479.

g) International/National Journal Publications:

- Jimmy Gupta and Anshul Garg (2024), "Performance Evaluation of Light Weight Bricks fabricated using Waste Materials", African Journal of Biological Sciences (Scopus Indexed), ISSN: 2663-2187, Vol. 6, Issue 9, No. 2, PP. 19-37.
- Jimmy Gupta and Gunjan (2024), "Effects on Mechanical Properties of Concrete by using Natural Human Hair as Fibrous Material", Materials Today: Proceedings (Scopus Indexed), ISSN: 2214-7853, Vol. , Issue .
- Gunjan, Jimmy Gupta, Chetan Sachdeva, Kamalpreet Kaur, Manu Chaudhary, Vandana Gupta (2024), "A Study of Walkability Index of Southeast Asian Cities", African Journal of Biological Sciences (Scopus Indexed), ISSN: 2663-2187, Vol. 6, Issue 10, No. 271.
- Jimmy Gupta, Anshul Garg (2023), "Utilization of Waste Materials in Construction Brick", Tuijin Jishu/Journal of Propulsion Technology (Scopus Indexed), Vol. 44, Issue-3.
- Donme M, Abhishek Kumar and Jimmy Gupta (2022), "Detailed Study of the Different RCC Joints", International Journal of Creative Research Thoughts (IJCRT), Vol. 10, Issue-6, PP 358-370.
- Fazil H. Bhat and J. Gupta (2021), "Experiment and Design Analysis of Transmission Tower Subjected Under Strong Wind Load", Journal of Emerging Technology and Innovative Research (JETIR), Vol. 8, Issue 5, PP 511-517.
- Himmat Bhatia and Jimmy Gupta (2019), "Controlling Environmental Issues by Using Natural Wastage in Concrete", Think India Journal, Vol. 22, Issue. 34, PP. 1497-1502.
- Jimmy Gupta and A.A. Kumar (2017), "Seismic Rehabilitation of RCC Beam-Column Joint", International Journal of Civil Engineering & Technology (IJCIET Scopus Indexed), Vol. 8, Issue 4, No. 246, PP. 2173-2186.
- Jimmy Gupta and Vandana (2016), "Effects on Compressive Strength of Concrete by use of Human-Hair as Fibrous Material", Journal of Civil Engineering and Environmental Technology (JCEET), Vol. 3, Issue 1, PP. 56-59.

h) International/National Conferences:

- Jimmy Gupta (2022), "Use of Waste materials in Construction Bricks", Presented at International Conference on Innovation and Intellectual Property Rights, (IAIPR - 2022), held on 18-19th April, 2022, at Lovely Professional University, Phagwara (Punjab).
- Jimmy Gupta (2022), "Performance of Light Weight Bricks fabricated using different Waste Materials", Presented at 3rd International Conference on Advances in Science, Engineering and Management, (ICASEM - 2022), held on 18-19th November, 2022, at Lords Institute of Engineering and Technology, Hyderabad (Telangana).
- Zikra Khaliq and Jimmy Gupta (2022), "Passive Cooling Strategies for Apartment Buildings: A Case of Township Project", Presented at International Conference on Sustainability: An Era of Transformation in Human Habitat, held on April 22nd, 2022, at CT University, Punjab.

- Jimmy Gupta (2019), “Behaviour of Coconut Fibre Reinforced Concrete under Static Load”, Presented at 3rd International Conference on Recent Advances in Smart Innovative Ideas with Multi-disciplinary Research (IC-RASIMR -2019), held on 30th Nov - 1st Dec, 2019, at RKDF University, Bhopal (Madhya Pradesh).
- Jimmy Gupta and Vandana (2017), “To Control Environment Issues by using Natural Wastages in Concrete”, Presented at International Conference on Advancement in Science and Technology (ICAST-2017), held on April 20th-21st, 2017, at Rayat-Bahra University, Mohali (Punjab).

i) International/National Workshops and FDPs:

- Participated in Faculty Development Program (FDP) on “Innovative Approaches in Dynamics of Soils and Structures” organized by Department of Civil Engineering, Harcourt Butler Technical University, Kanpur, Utter Pradesh, from 21/07/2025 to 25/07/2025.
- Participated in Faculty Development Program (FDP) on “Mastering the Art of Design Pedagogy and Research Skill” organized by Division of Human Resources Development Center, Lovely Professional University, Punjab, from 18/12/2023 to 23/12/2023.
- Participated in Faculty Development Program (FDP) on “Mentoring a Startup” organized by Division of Innovation and Entrepreneurship, at Lovely Professional University, Punjab, from 22/05/2023 to 29/05/2023.
- Participated in Faculty Development Program (FDP) on “Sustainable Repair and Rehabilitation of Constructed Facilities” organized by School of Civil Engineering, at Vellore Institute of Technology, Chennai, from 06/03/2023 to 10/03/2023.
- Participated in Faculty Development Program (FDP) on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE), from 30/01/2023 to 03/02/2023.
- Participated in Faculty Development Program (FDP) on “Zero Emission vehicles for Sustainable Mobility” organized by AICTE Training and Learning (ATAL) Academy at Indian Institute of Information Technology Design and Manufacturing, Kurnool, from 20/12/2021 to 24/12/2021.
- Participated in Faculty Development Program (FDP) on “Bio-waste to Bio-energy: A Future Sustainable Energy Source” organized by AICTE Training and Learning (ATAL) Academy at Motilal Nehru National Institute of Technology, Allahabad, Prayagraj, from 14/12/2021 to 18/12/2021.
- Participated in Faculty Development Program (FDP) on “Remote Sensing and GIS Application in Spatial Planning and Development” organized by AICTE Training and Learning (ATAL) Academy at Maulana Azad National Institute of Technology from 07/12/2021 to 11/12/2021.
- Participated in 3-different workshops and Training Program(s) on “Measurement Uncertainty and PT/ILC, Workshop on STAAD Pro- Building Analysis and Design, Ansys in Civil Engineering” at Lovely Professional University in the period 01/02/2018 to 31/07/2018.

- Participated in a Training Program on “Art of Effective Research” at Lovely Professional University on 23/09/2017.
- Participated in Workshop Conducted on “Concrete Mix Design and Testing”, organized by ASCE in VIT University.

Co-Curricular Activities:

- Active Coordinator for Research, Innovation and Start-up.
- Students under my supervision reached at the place of 3rd Winner in the national level “Asian Paints Design” competition held in February, 2025.
- Students under my supervision reached at the place of 1st Winner in the international competition “Smart City 2030: Managing Sustainable Urban Development in BRICS Countries” held in Russia, in October-November, 2024.
- Tech Fest Coordinator for Professor Event at VIT University.

Declaration: I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.



Jimmy Gupta

Date: 24th July , 2025