



Dr. Janmejoy Gupta
Curriculum Vitae - As on August 2023.

Present Position-Associate Professor, Dept. of Architecture, (Level 13, A1, Cell 5) and Dean, Research, School of Planning and Architecture, Vijayawada, AP. (Ex-Head of the Department, Architecture (December 2019-December 2021), School of Planning and Architecture, Vijayawada, (An Institute of National Importance under Ministry of Education, Government of India), Survey No.4/4, ITI Road, Vijayawada-520008, Krishna (District), Andhra Pradesh, India.

Total Experience: 18 Years (12 years in Teaching & 6 years Industrial)

EDUCATIONAL-QUALIFICATIONS

1. **PhD in Architecture**, (May 2017), on “Passive design strategies for rural mud dwelling units in Jharkhand, considering architectural design parameters for thermal comfort” from Birla Institute of Technology, Mesra, Ranchi.
2. **Master of Planning (Urban)**, (completed in July 2005), School of Planning and Architecture, New Delhi- Obtained first-class. M.Planning Thesis topic- “Infrastructure Management for New Town, Rajarhat”.
3. **Bachelor of Architecture**, May 2003, Birla Institute of Technology, Mesra, Ranchi - Obtained first class. (74.5%) UG Thesis topic- “Folk Culture Centre, Kolkata

Researcher ID s:

- ORCID ID - 0000-0002-8134-4926
- Researcher ID: L-9600-2017
- Scopus Author ID: 56643977600
- Google Scholar Id----gZs18gkAAAAJ
- Vidwan-ID : 92547, <https://spav.irins.org/profile/92547>
- Linked In: <https://www.linkedin.com/in/janmejoy-gupta-b410839/>
- Web of Science Researcher ID: L-9600-2017

(Citations / h-index)

- (3Citations, h-index-2, cross-ref- 3-citations) (**Google scholar citation-104**, h index- 6, i-10 index-4)

Institute Responsibilities (Present and Immediate Past)

1. Presently, Dean (Research), School of Planning and Architecture, Vijayawada.
2. Ex-Head, Dept. Of Architecture, School of Planning and Architecture, Vijayawada, (26 December 2019 to 28 December 2021)
3. Chairperson, Institute Purchase Committee. (Since January 2019 till date)
4. Former-Art-Lab Faculty In-charge.
5. National Hindi Language Cell-Coordinator.
6. Co-Editor of SPA V journal for first edition, named ‘International Journal of Planning and Architectural Sciences’.
7. Member of Departmental Undergraduate Committee, Departmental Selection Committee.
8. Ex-Officio Chairperson of Departmental PG Studies Committee and Departmental UG Studies committee.
9. Ex-Officio Chairperson of Departmental Research Committee.

External Universities Doctoral Committees/Selection Committee Members.

1. Ex-Officio Chairperson, Departmental Research Committee (DRC), SPAV
2. External Examiner, PhD, Maulana Azad National Institute of Technology, Bhopal.
3. Selection Committee Member for Associate Professor and Assistant Professors as Head of Department.
4. Member of various Faculty/Administrative Scrutiny Committees.
5. Member, Research Degree Committee (for Doctoral Research) at Abdul Kalam Technical University, Lucknow.

Institute Responsibilities (In Past Institutes where I have worked)

1. Coordinator Departmental Budget Committee. (Jan 2016 – Nov 2018)
2. Departmental Building Science Lab In-Charge. (Jan 2017-Nov 2018 in BIT, Mesra, Ranchi)
3. Setting up of Departmental Building Science Lab, (became operational from January 2017).

4. Member of Departmental Policy Committee.
5. Faculty In-Charge, Fine Arts Society, BIT, Mesra.
6. Member, Anti Ragging Committee.
7. Prof-In-Charge, Architectural Graphics Lab & Master of Urban Planning (MUP) Lab.
8. Member of Departmental Academic Committee.

Research-Areas.

(Expertise in Energy-Efficient & Climate-Responsive Buildings, as well as Sustainable Urban Forms)

Broad Research Areas:

Energy-Efficient Buildings, Thermal Performance of Buildings, Climate Responsive Architecture, Natural Ventilation, Green Buildings, Sustainable Urban Forms, Sustainable Urban Planning , Vernacular Architecture.

Research Tools Known: Building Performance and Bio Climatic Analysis tools (Ecotect, Climate Consultant Analysis) Statistical and Analytical Tools.

Favoured Research Areas: Making vernacular dwelling units more climate-responsive and suggesting modernised model prototypes, Energy Efficiency at Building, Neighbourhood and City Levels, Achieving Sustainable Urban Forms, Urban Climate Mapping. Cool Roof applications in India to mitigate Urban Heat Island Effect.

WORK EXPERIENCE

Teaching Experience

1. **Present: Associate Professor, Present Dean (Research)** and Former Head, Dept. of Architecture, (Level 13, A1, Cell 5) School of Planning and Architecture, Vijayawada, AP. **(Since 12 November 2018-till date)**. Am handling Teaching, Research and Administrative Work. Am teaching B.Arch subjects, M.Arch (Sustainable Architecture) and M.Planning (Environmental Planning). Presently, am Dean (Research) since January 2022. Am member of DUGC (Planning). I have been co-editor of In-house University journal in inception-stage for first edition, named 'International Journal of Planning and Architectural Sciences'. Have guided/guiding UG, PG and PhD students.
2. **Assistant Professor, Dept. Of Architecture, Birla Institute of Technology, Mesra, Ranchi-835215. From Sept 2011- November 2018.** Have taught Energy-Efficient buildings, Climate Responsive Architecture, Building-Services-IV, Principles of Architecture, Theory of Design, Building materials, Architectural design (1st, 2nd, 3rd, 4th & 7th Semesters) and Building Construction amongst others. Also teach Master of Urban Planning Level Courses (Urban Planning). Have guided numerous Master of Urban Planning (PG) and B. Arch Thesis (UG) students. Set up Building Science Lab and was member of Departmental Policy Committee.

Industrial Experience

1. **Urban-Planner, Mott Mac Donald India, Kolkata. November 2010-September 2011.** Detail Design for Elevated Stations & Central Park Depot). Work involved Station Design, Depot Planning, and Green Building Certification of Central Park Depot for KMRC East-West Kolkata Metro.
2. **Intermediate Architect-Planner- Superior Global Infrastructure, Kolkata. June 2010-November 2010.** Work involved Station Design, Depot Planning, and Green Building Certification of Central Park Depot for KMRC East-West Kolkata Metro.
3. **Assistant Manager (Architect) - Ambuja Realty Development Limited. August 2008-May 2010.** Worked as: Worked on Architectural Projects. Work involved preparing extensive documentation for LEED Green Building (by IGBC). Concerned building was given silver status by IGBC. Other work involved project facilitation tasks and other project related work.
4. **Senior Executive (Strategic Development Initiative Group) - Jones Lang LasalleMeghraj (Formerly Trammel Crow Meghraj), Mumbai(Worked from August 2007 to July 2008):** Work involved entering into **knowledge partnerships with large land-developers and preparing Information Memorandums which were city-specific in nature and carrying out feasibility-studies for their proposed projects.** Also worked with consulting group and helped them in preparation of feasibility reports, valuations, Best-Use Studies, preparing survey questionnaires and conducting surveys.
5. **Consultant (Architect-Urban Planner) Ambuja Realty, (Bengal Ambuja Housing Development Limited) (April 2007 to July 2007)-**posted as with West Bengal HIDCO: Work involved planning of New Town, Kolkata (Rajarhat).

6. **Associate Architect- West Bengal Consultancy Organisation Ltd., (WEBCON), Kolkata** (Worked from **October 2006 to March 2007**): Worked for execution of assignments, in architecture & town planning related project work and preparation of project feasibility report.

7. **Urban Planner for Barrackpore Municipality** under Kolkata Urban Services for the Poor (KUSP), Change Management Unit (a project with financial assistance from DFID, U.K.) (**August 2005 to September 2006**): Work involved preparation of Draft Development Plan (DDP) for the municipality. Specifically associated with DTG1, which dealt with infrastructure, environment and land use. This assignment provided me with the opportunity to work at the grass-root level of planning.

Recently Completed Consultancy Projects

1. Principal Investigator, GIS-Based Master Plan for Eluru, SPA Vijayawada (December 2018 – Till Project Completion in 2022) Client: Directorate of Town & Country Planning (DTCP), Government of Andhra Pradesh. Total Project Value 44,52,000.00
2. Coordinator, in capacity of Dean Research of Vetting of AP State Architectural Board (APSAB) Manual on Educational, Administration and Health Buildings.

Presently On Going Projects:

1. Rehabilitation and Re Settlement Project for Project Displaced Families of Polavaram Irrigation Project, AP.

Previously Finished Research Projects

1. Co-PI developing Pedagogical Subject Matter for Engineering subjects (Course Study Material Preparation. *B.Arch subject: Energy Efficient Building*), [coordinating Institute: Indian Institute of Technology (IIT), Kharagpur], A MHRD project under NMEICT scheme [anchor Institute: IIT, Kharagpur] Total Project Value: Rs 6 Lakhs. National Mission Project on Pedagogy. http://www.ide.iitkgp.ac.in/Pedagogy1/main_page.jsp
2. Member, Pahari-Mandir- Beautification & Redevelopment Plan, Ranchi. (Client Ranchi Municipal Corporation), Dec 2010-2014, Total Project Value of Rs 16 Lakhs.

***Short-listed for C.O.A. The Urban Studio Research Project (USRP) – Seed Grant November 2021 – Co- Investigator- Urban Climate Map (UCMap) for Sustainable Urban Development. Project Code: USAU21E05 (*COA-Council of Architecture, India*)

KEY PUBLICATIONS

A. Architecture. (International Journals)

1. **Gupta, J.** and Chakraborty, M. (2016), The need for vernacular mud huts of Ranchi to adapt to the changing climate of Ranchi, International Journal of Environmental Studies, Routledge (Taylor and Francis Group). (ISSN: 0020-7233-print & 1029-0400-online). (Published online: 24th May 2016) Print Version: International Journal of Environmental Studies, Volume 73, Issue 4, August 2016, Special Issue: South Asian Vernacular Architecture. pp. 584-603. (*Scopus Indexed*). *SCIMAGO IMPACT FACTOR*- 0.343. *Scopus & Web of Science Indexed*, DOI- <http://dx.doi.org/10.1080/00207233.2016.1178984> (**Scopus Indexed**)
2. **Gupta, J.**, Chakraborty, M., Paul, A. and Korrapatti, V., A comparative study of thermal performance of three mud dwellings with courtyards in composite climate, Journal of Architecture and Urbanism, Routledge Publishers, (Taylor and Francis Group) ISSN 2029-7955 (Print), 2029 - 7947 (Online), Volume 41, Issue 3, pp. 184-198. (*Scopus Indexed*). *SCIMAGO IMPACT FACTOR*- 0.15. Published Online September 2017. *Scopus & Web of Science Indexed*, DOI- <http://dx.doi.org/10.3846/20297955.2017.1355276> (**Scopus Indexed**)
3. **Gupta, J.** and Chakraborty, M. (2012), Sustainability of Rural Mud Houses in Jharkhand: Analysis related to Thermal Comfort, ABACUS, Spring 2012, Volume 7, No. 1, pp. 56-63. (ISSN 0973-8339)
4. **Gupta, J.** and Chakraborty, M. (2015), Perimeter-area ratios and thermal discomfort due to excess heat in rural mud architecture of Jharkhand : A study through simulation and temperature measurements in composite climate, International Journal of Applied Engineering Research, 2015, Vol.10, Number 7, pp.17503-17518. (ISSN: 0973-4562). (*Scopus Indexed*). *SCIMAGO IMPACT FACTOR*- 0.130, DOI- <https://dx.doi.org/10.37622/IJAER/10.7.2015.17503-17518> (**Scopus Indexed**)

B. Urban-Planning Publications.

6. Tippaluri,R., **Gupta ,J.** and Gupta Gangopadhyay, S., Planning for Urban Agriculture- Case Study of Newly Added Peri-Urban Areas of Hyderabad, ITPI journal , Volume 13, No. 3, July-September (2016) , pp. 32 – 52, ISSN: L0537-9679, www.itpi.org.in.

7. Gupta Gangopadhyay, S and **Gupta,J.**, Post-Pandemic Approach to Urban Planning, ITPI journal, Volume 18, No.2, April-June 2021, pp.96-104, ISSN: L0537-9679. www.itpi.org.in.

(ITPI: Institute of Town Planners, India)

Selected Book-Chapters

1. **Gupta, J.** and Chakraborty,M.,(2021),Energy efficiency in buildingsin Sustainable Fuel Technologies Handbook, (EdsSumanDutta and Chaudhery Mustansar Hussain), ISBN: 978-0-12-822989-7, Chapter 15, pp-457-480, Academic Press, Elsevier Publications.DOI- <http://dx.doi.org/10.1016/B978-0-12-822989-7.00016-0>. (**Scopus Indexed**)

2. **Gupta , J and Varghese,J.**, Elements Related to Sustainability of Urban Form: Study of an Indian City, Thane (Maharashtra, India),in, book, Advanced Studies in Efficient Environmental Design and City Planning, , Springer-Nature, EBook ISBN: 978-3-030-65181-7, Hard Cover ISBN: 978-3-030-65180-0, Series ISSN: 2522-8714, Chapter DOI - http://dx.doi.org/10.1007/978-3-030-65181-7_12

Books.

Gupta,J.,Housing, Climate and Comfort published by Nolegein, An Imprint of E-Learning Consortium, under ‘Centre for Construction and Architectural Excellence (CCAEE). (Journal Pub), May 2022, ISBN: 978-93-87376-56-4

Peer Reviewer

1. Am Reviewer for SCOPUS-Indexed Journal EP (Environmental Progress) (Wiley Publisher). Have reviewed eight research-papers submitted to them till date.

KEY ACHIEVEMENTS.

- In DDP evaluation, Barrackpore Municipality had been adjudged as the first ranked municipality among the all the municipalities within Kolkata Metropolitan Area, when I was Urban-Planner in charge of the same.
- Certified LEED-IGBC Accredited Professional (AP) - Since May 2010. (Indian Green Building Council AP)
- Best paper selection in Green Urbanism Conference December 2019. Paper later published as Book Chapter in Springer-Nature Book.
- Guided students to prize winning entries in HOSMAC&Birla Yuva-Ratna ArchitecturalDesign Competitions.
- Member of Building Works Committee, IIT Tirupati
- Member of RDC (Research and Doctoral Committee), AKTU, Lucknow.
- **Faculty Development Programs/Conferences Organized as Coordinator/Convenor.**
- Was Coordinator and Speaker as well for 2 sessions in AICTE-ATAL Faculty Development Program on “Natural Ventilation and Building Design in Tropical Region”, held between 13th to 17th September 2021.
- Was Convenor of National Conference on Energy-Efficiency in Planning for Enhanced Urban Resilience (EEPEUR)- 2023 organized by School of Planning & Architecture (SPA), Vijayawada in collaboration with National Institute of Disaster Management (NIDM), New Delhi. Held on 26-27 April, 2023 at SPA, Vijayawada.

Memberships of Professional Bodies:

1	Council of Architecture(COA)	national	CA/2003/32640	Valid till 31st December, 2027.
2	Indian Institute of Town Planners (ITPI)	national	AITP/23/2007	Lifetime
3	Indian Institute of Architects (IIA)	national	A-15927	Lifetime