



Dr. Janmejoy Gupta

Curriculum Vitae - As on November 2024.

Present Position-Associate Professor, Dept. of Architecture, (Level 13, A1, Cell 7) 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: 19 Years (13 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
- <https://www.researchgate.net/profile/Janmejoy-Gupta>, Researcher ID: L-9600-2017
- Scopus Author ID: 56643977600
- Google Scholar Id---<https://scholar.google.co.in/citations?user=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): (Google scholar citation-125, h index- 6, i-10 index-4) (cross-ref- h-index-3)

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 April 2022)
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. Member of Architectural Board of Studies, SPA V

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, Design-Builder, 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.

SUBJECTS TAUGHT- B.Arch Level (UG):

1. Climate-Responsive Architecture,
2. Energy Efficient Architecture,
3. Principles of Architecture,
4. HVAC (Building Services)
5. Primary Building Materials
6. Theory of Design.
7. B.Arch-Level- Jury Subjects: B.Arch Architectural Design Studios and Working Drawing.

SUBJECTS TAUGHT, M.Arch/M.Plan Level (PG/PhD Course Work Subjects):

1. **M.Arch Level** - M.Arch (Sustainable Architecture Studios), for e.g. Simple Passive Design Strategies Studio, Envelop Design and Day-lighting, Urban Planning Studio, **Theories:** Day-lighting, Passive Design Strategies.
2. **M.Planning: Theory Subjects:** History of Human Settlements & Energy Studies. **Planning Jury Subject:** Planning Studio.

WORK EXPERIENCE

Teaching Experience

1. **Present: Associate Professor, Present Dean (Research)** and Former Head, Dept. of Architecture, (Level 13, A1, Cell 7) 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 Architecture Board of Studies. 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 landuse. 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- Rs 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.
3. Member, APSRTC (AP State Road Transport Corporation) Bus Fascia & Graphic Scheme Re-Design.
4. Member, Kuchipudi Dance Academy at Vishakhapatnam, Master Layout.
5. Team-Lead in SPA, Vijayawada team for Development of **Suryalanka Beach Corridor as an Iconic Tourist Centre Proposal**. Successfully submitted DPR, as one of the 03 official entries from AP for funding under Special Assistance to States for Capital Investment Development of Iconic Tourist Centres to Global Scale.

Ongoing Research Projects:

1. Research Proposal, in which PI is undersigned, on *Energy Efficiency Considerations in building byelaws and Development Control Regulations of a city- a study of Tirupati*, accepted recently for AMRUT Funded Centres of Urban Planning for Capacity Building Research Project awarded to SPA, Vijayawada.

Previously Finished Research & Consultancy Projects (Past):

1. Co-PI in 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/Pedagogy_view/example.jsp?USER_ID=211
2. Member, Pahari-Mandir- Beautification & Redevelopment Plan, Ranchi. (Client Ranchi Municipal Corporation), Dec 2010-2014, Total Project Value of Rs 16 Lakhs.

Ongoing Consultancy:

Coordinator, as Dean (Research & Consultancy Cell I/C) of Polavaram Irrigation Project, Resettlement & Rehabilitation Project, Eluru & ASR Districts, Water Resource Dept., Govt. Of AP Project.

KEY PUBLICATIONS

Book-Chapters

1. **Gupta, J.** and Chakraborty, M., (2021), Energy efficiency in buildings in Sustainable Fuel Technologies Handbook, (Eds Suman Dutta 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. Rao, P. and **Gupta, J.**, Energy-Efficient Landscape Design in Architectural design – Design of Cities and Buildings, Sustainability and Resilience in the built environment, Ed- Samad Sepasgozar, Print-ISBN 978-1-78985-150-2, eBook (PDF) ISBN: 978-1-78985-669-9, DOI: 10.5772/intechopen.87647, Intech Open Publishers. (Web of Science Indexed)
3. **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, Published 25 September 2021, Part of the Advances in Science, Technology & Innovation book series (ASTI)
4. **Gupta, J.** Urban Agriculture & Green Urban Planning, in ‘Future is urban-urban resilience, capacity building, nature based solution’, ISBN (p): 978-1-032-78443-4, ISBN (online): 978-1-003-48789-0, DOI: 10.4324/9781003487890, Eds_ utpal sharma, swati kothary, vibha gajjar, Published by Routledge (Taylor & Francis group)
5. Rallapalli, H. S., & **Gupta, J.** (2024). The role of roofs in adapting to climate change: A review (1st ed.). Routledge. Pg.186-194. Future is Urban II: Urban Resilience, Capacity Building, Nature based Solutions - Taylor and Francis Group, London, ISBN: 978-1-032-78443-4, DOI: 10.4324/9781003487890
6. **Gupta, J.** (2024), Unshakeable Bhungas in SVASTIK Stories: Indian Traditional Knowledge Through the Lens of Science (Vol II), pp. 24-30, Editors: Dr Charu Lata & Dr Paramananda Barman Copyright © 2024 CSIR-NIScPR, ISBN: 978-81-967612-1-9

Books.

Gupta, J., Housing, Climate and Comfort published by Consortium E-Learning Network Private Ltd, under ‘Centre for Construction and Architectural Excellence (CCAEE).’, May 2022, ISBN: 978-93-87376-56-4

Monographs.

Gupta,J, LAP-Lambert Publishers – *Passive Design Strategies for Rural Mud Dwellings in Jharkhand*. ISBN: 978-3-330-33543-1.

Journal Papers

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 Korrappatti,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**)

5. **Gupta,J**. and Mazumdar,S. (2016), How sustainable are vernacular dwellings? , *Architecture time space & people*, Vol. 16, Issue 2, February 2016, pp. 34-40. (ISSN 0973-8339).

6. **Gupta, J.**, Surface Volume Ratios and Thermal Comfort in Rural Mud Architecture of Jharkhand: A Study through Simulation, *Journal of Indian Institute of Architects*, January 2016, Volume 81, Issue 01. (ISSN: 0019-4913). Pp 30-38.

7. **Gupta,J**. and Sinha,A., Bangla Roofs and the various "Chalas" in Bengal Vernacular Architecture, *Journal of Civil Engineering and Environmental Technology (JCEET)*, Publisher: KrishiSanskriti Publications, Volume 5, Issue 6, pp-320-324, July- September 2018, p-ISSN: 2349-8404.

8. **Gupta,J** , NaushabaJameel&PushpitaPadhy , Architecture shaped by socio-cultural influence and climate: Lessons learnt from study of vernacular architecture of Kerala. *International Journal of Cultural Inheritance & Social Sciences*,IJMRA (International Journals of Multidisciplinary Research Academy). Vol. 2 Issue 1, March 2020, pp 1-19, ISSN: 2632-7597, p-ISSN: 2632-7597. Journal Homepage: <http://ijciss.com/>, <http://ijciss.com/>.

9. **Gupta,J**, ManjariChakraborty, HemaSreeRallapalli, &Nivedhitha.R, Climate-Responsive Architecture in Rural Vernacular Dwellings:A Study in Composite Climate in Ranchi, Jharkhand, India, *AEGAEUM Journal*, Volume 8, Issue 7, August 2020,ISSN NO: 0776-3808,pp-1710-1734

10. **Gupta,J**, Dr.ManjariChakraborty, Sharon Mathew, AlankarJharia. (2020). Mud as a Construction Material in Rural Dwellings: Study of Thermal Performance in Composite Climate. *International Journal of Advanced Science and Technology*, 29(3), 12481-12498. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/30371>, Print: 22076360, On Line: 20054238

11. HemaSreeRallapalli, **Gupta,J**, Cool Roof initiatives in India: An evaluation of the existing conditions and lessons to be learnt from global best practices, AEGAEUM JOURNAL, ISSN NO: 0776-3808. Volume 8, Issue 7, 2020, pp: 1421-1430, <http://aegaeum.com/>. UGC-CARE (Group-II) List

12. Dhobekar,N. and **Gupta,J**, Role of Traditional Knowledge System in Building Resilient Built Environment: Garhwal Region, Uttarakhand, Journal of Indian Institute of Architects (JIIA), Volume 87, Issue 06, Year 2022, Pages 12-21, June 2022, ISSN No: 0019-4913 (UGC-CARE Approved)

13. **Gupta, J** and Dhobekar,N, Using Appropriate Technology in Designing Climate Responsible Architecture: A study in hot-dry climate of Aurangabad, Comprehensive Advanced Specific Summarised Studies -For Architecture Studies (CASS Studies) (An Official Publication of Bureau For Health & Education Status Upliftment), Pages 1-26, July to Dec 2022, Vol -5, Issue 2, Addendum 1 CASS Studies, ISSN No:2581-6403, Reg. No: RJ17D0105798.

B.Urban-Planning.

14. Gupta Gangopadhyay, S and **Gupta,J.**, Rejuvenating the Kestopur Canal System in the Kolkata Metropolitan Area, ITPI journal ,Volume 5 , No. 2 (2008), pp. 47 – 54, April-June 2008, ISSN: L0537-9679, www.itpi.org.in.

15. 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.

16. 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)

17. Shilpa Rana, Parna Sarkhel, **Gupta,J.** Impact of sanitation on improving quality of life: a case study of Cuttack, Odisha, VOL 7, NO 2 (2021) International Journal of Environmental Planning and Development, DOI: <https://doi.org/10.37628/jepd.v7i2.855>, Published by: Journal Pubs, Centre for Architecture and Excellence in Construction, pp 14-29.

***Gupta,J: (Self) ie, Dr Janmejy Gupta.**

National Journals/Magazines

Chakraborty,M.,and **Gupta,J.**, An approach towards supplementing Climate Responsiveness of Vernacular Habitats in Jharkhand, *Shashwat-Let Nature Be (A GRIHA Council Publication)*, Volume 3, Issue 3, March 2017.

Conference Proceedings

1. **Gupta,J** and Chakraborty,M. (2012), Thermal Performance of Rural Architecture in Jharkhand : Case-Study of a Typical Mud House, National Conference on Emerging Trends of Energy Conservation in Buildings, CSIR-Central Building Research Institute, Uttarakhand, pp. 126-135.

2. **Gupta,J** and Chakraborty,M. (2016), Comparative analysis related to compactness of dwelling units and its effect on thermal comfort amongst rural mud huts in composite climate in India, Annual International Conference Proceedings, 25-26th April 2016, Singapore, 4th Architecture and Civil Engineering (ACE 2016), published by Global Science & Technology Forum (GSTF), pp.389-398.**DOI-** http://dx.doi.org/10.5176/2301-394X_ACE16.3 (Scopus Indexed) ISSN: 2301-394X

3. HemaSreeRallapalli, **Gupta,J**, (2020),Cool Roof Initiatives in India: An evaluation of the existing conditions and lessons to be learnt from global best practices, Conference Proceedings of 5th International Conference on

Countermeasures to Urban Heat Islands (IC2UHI)2019, December 2-4, 2019, Hyderabad, India.
<https://doi.org/10.37285/bsp.ic2uhi.15>

Editor/Member of Editorial Board/ Reviewer.

Journal Editor.

I was the 'special issue' invited guest-editor of 'International –Peer-Reviewed' (Double Blind Review) Journal titled 'Journal of World-Architecture, Publishers: Bio-Byword Scientific Publishing Ltd. (Website: <http://www.bbwpublisher.com/>) Theme of Special Issue: '*Lessons on climate-responsiveness learnt from Vernacular Dwellings: A Global Study*'. (ISSN: ISSN (O): 2208-3499& ISSN (P): 2208-3480.)

Editorial board Member for the following journals:

1. Editorial Board Member in "International Journal of Architecture, Arts and Applications (IJAAA); ISSN: 2472-1107 (Print) ; ISSN: 2472-1131 (Online) ; <http://www.sciencepublishinggroup.com/j/ijaaa>.
2. Editorial Board Member in International Journal of Sustainable Building Technology, Journals Pub Publishers, 'Centre for Construction and Architectural Excellence (CCAAE).'
3. Joint-Editor of SPA V published journal for first edition, named 'International Journal of Planning and Architectural Sciences'.
4. Issue Editor, ABACUS, Monsoon 2011 Edition, Vol. 6, No. 2, ISSN: 0973-8339, Issue on Building Science, Journal published by Birla Institute of Technology (A Deemed University), Mesra, Ranchi, Jharkhand, India.

Peer Reviewer:

-Am Reviewer for SCOPUS-Indexed Journal EP (Environmental Progress) (Wiley Publisher). Have reviewed eight research-papers submitted to them till date. Also, Reviewer for International Review for Spatial Planning and Sustainable Development and Journal of Housing and the Built Environment (Springer Nature). Am reviewer on a regular basis for few other journals as well.

International Presentations

Presented through skype 'video-conferencing', '*Climate-responsive architecture in rural vernacular dwellings: a study in composite climate in Ranchi, Jharkhand, India*' at the **World Forum on Climate Justice, 19 th – 21 st June, 2019, Glasgow.**

Select National Invited Presentations.

- Invited to and attended as Resource Person lecturing in two sessions on Research Methods in Architectural research at COA-Training Workshop for two sessions in ABIT, Ploomody, Cuttack in COA conducted Workshop on Research in Architecture in April 2018.
- Delivered Sponsored TEQIP-III Talk on Sustainable Urban-Planning at CET, Bhubaneswar, in August 2019.
- Have been PhD External Examiner at NIT, Bhopal.
- Speaker for two sessions at AICTE-ATAL Faculty Development Program on Climate Change and Adaptive Architecture, GITAM, Hyderabad, 2-6 November,2020.
- Invited Speaker at Webinar on ENERGY CONSERVATION organized by National Institute of Disaster Management, Indian Institute of Engineers (J&K) and Govt. Of India, Ministry of Home Affairs, 17 April, 2021.

- Delivered talk at COA online training program "Architectural Research-Practices and Perspectives" in association with BMS College of Architecture in a joint online training program with COA -TRC Pune and BMS College of Architecture, 16th June 2021.
- Delivered online-talk on Analytical tools and techniques for constructing hypothesis in Architectural Research on 23.06.2021 at School of Architecture and Planning, KIIT University conducted faculty development program from June 21 - 25, 2021, under theme "Research Advancements in Architecture".
- Delivered On Line on 'Appropriate Use of Building Bio-Climatic Chart Analysis for designing proper built environment' on 21 June 2022 at Session on Webinar at Three Days National Level Faculty Development Programme on 21, 22 and 23 June 2022 in an Online Mode in Thiagarajar College of Engineering, Madurai, Tamil Nadu.
- Was one of the speakers in 'Filling the Gaps' Workshop organized and held from 18th to 22nd April 2022 at Dept. of architecture, School of Planning and Architecture, Vijayawada.
- Was speaker and course-content developer in environmental design solutions (EDS) organised international training program climate responsive architecture on the topic of 'natural ventilation' module in May 2022.
- Have been member of AICTE inspection teams. (offline and online)
- Invited talk at KL University, AP on 'Design solutions for Climate Responsive Architecture', on 20/08/2022.
- Presented in On Line Mode on 27th December (2:30 PM – 4 PM) on 'Energy conservation : from building level to city level', at COA-TRC and Gautam Budh University, Noida, jointly organized Faculty development Program on ' Building Resilient Urban Communities', conducted in between 26th to 30th December 2022.
- Was Mentor and Speaker for Workshop on " Natural Ventilation and Building Optimization" organised by NSTC, Nano-School (www.nanoschool.in) - 29,30 April 2023. (**Nano Science and Technology Consortium**)
- Nano Science Consortium - Workshop on Ecotect Modelling-Oct 1st Week-2023
- Vernacular Architecture-Adaptability to Climate and Context, Five Days Short Term Course (Online Mode) on Tribal Architecture, 25th-29th August at NIT, Patna, Bihar.
- NIT, Patna (Online Talk in FDPs Energy Efficiency in Hospital Design-21 December 2023)
- Was key Note speaker at Conference on Indoor Environmental Quality organized at Christian Medical College, Vellore. (CMC, Vellore)
- Guided students to prize winning entries in HOSMAC & Birla Yuva-Ratna Architectural Design Competitions.

THESIS-GUIDANCE/EXAMINED.

PhD Guided (Doctoral)

1. PhD (Guiding since 2019) Ms. Hema SreeRallapalli, **Topic:** A user centric approach for flat roof retrofits - a study of Rooftop spaces in low-rise residential buildings in the composite climate of Hyderabad. (*Will submit by December 2024*)
2. Appointed on 4th Feb 2023, Co-Supervisor (External) for PhD student at Odisha University of Technology and Research for a PhD Scholar in Dept. of Architecture and Planning, Odisha University of Technology and Research, Bhubaneswar. Broad Topic: Integrating Geo-spatial Solutions and AI techniques for Uncovering Urban Spatial Patterns: A Case Study of Bhubaneswar's Urban Growth Trends
3. External Examiner for PhD at MANIT, Bhopal. (National Institute of Technology, Bhopal)

PG Thesis (Guided)

Total 16: 15 as sole Guide and One as Co-Guide at Masters (PG) Thesis . (6 nos. Thesis in Masters in Urban Planning and 10 nos. In M.Arch (Sustainable Architecture). UG (B.Arch Thesis Guided) – Till date guided – 40 nos. till now.

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)
- Won prizes in debate, creative writing, and quiz in Zonal NASA meet during study at BIT, Mesra.
- Short stories and poems published in The Sunday Statesman, 8Th Day: Literary Section. Kolkata Edition.
- Was instrumental in documentation behind getting LEED-IGBC Silver Rating for CII-Suresh Neotia Centre of Excellence, Salt Lake.
- Book on Housing, Climate and Comfort published by Nolegein, An Imprint of E-Learning Consortium, under 'Centre for Construction and Architectural Excellence (CCAIE). (Journal Pub) was launched by ITPI (Institute of Town Planners, India), West Bengal Chapter on special occasion to felicitate teachers of architecture and planning on 16th September at Salt Lake ITPI Chapter, Kolkata.
- Best paper selection in Green Urbanism Conference December 2019. Paper later published as Book Chapter in Springer-Nature Book. International Experts for Research Enrichment and Knowledge Exchange (IEREK)
- Guided students to prize winning entries in HOSMAC & Birla Yuva-Ratna Architectural-Design Competitions.
- Special issue Invited Guest editor of Journal of World Architecture, Published by Bio-By World Scientific Publishing Ltd. (Dec 2019)
- Among top 30 Entries in Arch resource's "Farm-a-cation" design contest. Entry No.:7DS20662, May 2021. (Team: Janmejy Gupta, Arathy Kalam, Kavya Madhu)
- Member of Building Works Committee, IIT Tirupati
- Member of RDC (Research and Doctoral Committee), AKTU, Lucknow.

TRAINING PROGRAMMES/ WORKSHOPS

Faculty Development Programs Attended.

Participated in Faculty Development Program on International Conference on "Communicating Research and Open Access Publishing." (CROP 2019), June 17-22, organized by School of Planning and Architecture, Vijayawada.

Attended 4-week online hands-on training program on IES-ve from 03/08/2020-25/08/2020.

Conferences Attended.

1. National Conference on Emerging Trends of Energy Conservation in Buildings, CSIR-Central Building Research Institute, Uttarakhand, pp. 126-135, Nov 1-3 2012.
2. Annual International Conference Proceedings, 25-26th April 2016, Singapore, 4th Architecture and Civil Engineering (ACE 2016), published by Global Science & Technology Forum (GSTF), pp.389-398.
3. SECS 2014: International Conference on 'Sustainability and efficiency in core sectors', Ranchi. 2014MECON & BUREAU OF ENERGY EFFICIENCY (BEE) Bengal Engineering & Science University Alumni Association (Ranchi Chapter), MECON Community Hall, Ranchi, Jharkhand, 13-14th September 2014.
4. International Conference on South Asian Vernacular Architecture: Challenges to its continuity and Strategies for its future. Indira Gandhi Rashtriya Manav Sangrahalay, (IGRMS), Bhopal, India. 11th December 2015 to 13th December 2015.
5. Attended URGENT International Conference on 'Future is Urban', 16th-18th December, 2022 at Institute of Architecture & Planning, NIRMA University, Ahmedabad. (An International Conference Co-funded by Erasmus plus Programme of the European Union). Presented three papers there. One as Main Author, Two as Co-Authors. (As main Author: Urban agriculture & green Urban Planning) (As Co-Author: Role of Roofs in Adapting to Climate Change & Review of Productive Use of Rooftop Spaces'.
6. Towards a Future of Energy Efficiency at Urban Scale: A Review, National conference on energy efficiency in planning for enhanced urban resilience organized by National Institute of Disaster

Management (NIDM), Ministry of Home affairs, Govt. of India, New Delhi and School of Planning and Architecture, Vijayawada, 26-27 April 2023.

Workshops/Training Programmes Coordinated:

Workshop organized Workshop on Sustainable Architecture (hands-on-practical workshop and presentations). For 40 nos.B.ArchStudents.ConductedbyPadmashree awarded architect G Shankar andHabitat Group Team (Trivandrum) Department ofArchitecture, BIT Mesra, Ranchi, 2018.(31 AUG-2 SEPT)

- **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.
- Hands On Water Colour Workshop at SPA, Vijayawada, 29-30 th June, 2020. (Hybrid Mode) Coordinator: Mr Barun Mandal, Co Coordinator: Dr Janmejy Gupta

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
4	ISHRAE, (Indian Society of Heating, Refrigerating and Air Conditioning Engineers), Kolkata Chapter	national	M.No.: 69771	Affiliate Member (3 years)

- **Extra-Curricular: Literary activities**-Writing short-stories and poems, (Till date 4 short-stories and 4 poems published in the Literary sections of The Sunday Statesman, Kolkata Edition, 8Th Day, Literary Section in a period in between 2002-2011.), **Sketching.**