

NAME & ADDRESS

Prasanth Vardhan P

Associate Professor, Department of Planning,
School of Planning and Architecture, Vijayawada,
Institute of National Importance under the MoE, Government of India.

DETAILS OF QUALIFICATIONS

Doctor of Philosophy, completed in 2021 from the Department of Planning, School of Planning and Architecture, Vijayawada, CFTI, MoE, Govt

Certificate Course on Application of Remote Sensing and GIS in Urban and Regional Studies, completed in 2015 from the IIRS, ISRO - Dehradun

M.Plan (Infrastructure Planning), completed in 2010 from the CEPT University

Bachelor of Planning, completed in 2008 from the School of Planning and Architecture, Jawaharlal Nehru Technological University

WORK EXPERIENCE

14 years of experience in academia, research and Industry

- A. School of Planning and Architecture, Vijayawada (26.08.2013 to till date)**
Institute of National Importance under the Ministry of Education, Govt. of India
 - a. Associate Professor, Department of Planning (12.01.2024 onwards)
 - b. Head, Department of Planning (02.02.2024 onwards)
 - c. Assistant Professor, Department of Planning (26.08.2013 to 11.01.2023)
 - d. Associate Dean – Academics, SPAV (25.05.2021 to 08.06.2022)
 - e. Controller of Examinations – SPAV (01.11.2017 to 20.07.2022)
- B. Lea Associates South Asia Pvt. Ltd. (30.05.2011 to 19.07.2013)**
Employed on regular roles as Deputy Planner and worked on professional projects including the preparation of master plans, development plans, special area plans and traffic and transportation studies. Involved in preparing the technical proposals for the regional plans, traffic and transportation plans.
- C. Centre of Excellence in Urban Transport (02.06.2010 to 25.05.2011)**
Employed on contract roles as Researcher in the Center of Excellence in Urban Transport, CEPT University, established in 2009, an initiative of MoUD, Govt. Worked on preparation of Integrated Mobility Plans, bus rapid transit systems, demographic studies, service level benchmarks for urban transport, and a technical paper on urban transport investments in Indian Cities.
- D. Indian Institute of Management, Ahmedabad (18.05.2009 to 13.06.2009)**
Worked as Professional Summer Training personal at Indian Institute of Management, Ahmedabad under Prof. G Raghuram, Indian Railways Chair Professor, Public Systems Group. Worked on Indian Major ports profiling and commodity analyses, rail road connectivity status and PPP models on port connectivity projects.
- E. School of Planning and Architecture, JNTU (01.01.2008 to 16.06.2008)**
Worked on the consultancy project of the school for the German Technical Cooperation (GTC) and the Central Pollution Board (CPCB) under the advisory services in ASEM of the Indo-German Bilateral Programme on the preparation of urban environmental information systems and environmental profiles for the eco-city

project towns of Tirupati, Kottayam, Thanjavur. After completion of the thesis on this topic, worked as project associate in May and June 2008 on the project.

F. SATYAM Foundation (01.04.2008 to 30.04.2028)

Worked in a project, the Green Houses Gases Management under the Environment Program as the project team member with Prof. Dr. M V Rama Seshu. Involved in calculating the carbon credits and energy usage of Satyam Computer Services Limited.

G. aarvee associates (14.05.2007 to 24.06.2007)

Worked as Intern at aarvee associates on preparation of special action plan for Ongole town as a part of General Town Planning Scheme. Involved in preparation of integrated solid waste management plan, detailed report, infrastructure assessment and mapping of slums and water bodies along with cadastral integration.

A few of the Additional Positions/Roles performed at SPAV

1. **Nodal Officer**, PM Young Achievers Scholarship Scheme (10-10-2023 to till date)
2. **Chairperson, DRC** – Planning (02.02.2024 to till date)
3. **Member, Academic Execution Committee** (02.12.2023)
To examine all files and proposals, put up by the Academic Section (related to admissions, registration, withdrawals, calendars, timetables and other academic matters)
4. **Controller of Examinations** (4 Years and 8 Months)
Conduct of End-Semester Examinations, Declaration of Results, Mid-Semester Examinations, Special Exams, Issue of Marks Statements and Certificates; Assist the Legal Cell in court cases of Exam Section, and student matters related to exams and marksheets, and verification
5. **Associate Dean Academic** (1 Year)
To discharge the duties at the office of the Dean Academic (admissions, academic calendar, other matters pertaining to academics)
6. **DPGC, Convener- Department of Planning** (3 Years, A.Y.19-20 to A.Y.21-22)
The role of Departmental Post Graduate Committee is to ensure the rules and regulations of the ordinances are adhered to and implemented in PG & PhD programmes. Aspects pertaining to admissions, exams, new courses, programmes, students counselling, student's attendance, leaves and students grievance committee.
7. **Member, DSC** (3 Years, A.Y.19-20 to A.Y.21-22)
Member of the Departmental Selection Committee for PG & PhD Admissions at the Department level both in Planning and Architecture
8. **Member to Assist the Faculty I/c, Legal Matters** (05-05-2021 to 08-06-2022)
Assist the Faculty in-charge and the legal advisor in legal matters pertaining SPAV
9. **DUGC Member - Department of Planning** (3 Years, A.Y.19-20 to A.Y.21-22)
10. **National Academic Depository – Checker** (July 2018 to August 2020)
To verify and validate the certificates of Students in National Academic Depository
11. **Faculty In-charge, Alumni Committee** (01-01-2019 to till date)
Assist the alumni association in conduct of general body meetings, alumni association elections, faculty-students and alumni meetings, training programs, etc.
12. **Student Advisor** (10-02-2014 to 12-2018, 4 Years 9 Months)
Student Council Elections, support student council in preparing the annual budgets, coordinating the student events, annual day, cultural programmes, etc.

13. **Member Secretary, Students Grievance Cell (A.Y.2019-20, A.Y.2020-21)**
14. **Member, Library Purchase Committee (A.Y.2019-20, A.Y.2023-24, A.Y.2024-25)**
15. **Vehicle Controller, SPAV (04-01-2019 to 08-06-2022)**
16. **Time Table and Finance Committee – DoP (A.Y.2016-17, A.Y.2023-24, 24-25)**

COMPUTER PROFICIENCY

MS-Office, Autodesk Auto CAD, Arc GIS, City Engine, Inro Emme, SPSS, MS Project

RESEARCH PUBLICATIONS

- Bandari A., **Puttaparthi P.**, Sadhukhan S. (2023): “*Domestic water consumption determinants in urban neighborhoods: A case study of Vijayawada, India*”. Published in 18th Global NEST International Conference on Environmental Science & Technology (CEST), Sep 2013. 10.30955/gnc2023.00065. Open Access
- Laddh N. and **Vardhan P.** (2023): “*Allocation of Urban Land-use to Optimize the Travel Behaviour, using Simulated Annealing algorithm*”, Published in Institute of Town Planners, India; Sumo 2020, International Conference on Sustainable Urban Mobility: Opportunities and Challenges in Developing Countries. (Oct, 2023) Special Issue: p192-202. (ISSN: 0537-6979). Open Access Technical Paper
- Jain J., Sesidhar S., **Vardhan P.** (2023): “*Identifying the parameters influencing the adoption of electric intermediate public transport: a case area of Gwalior city*” Published in IOP Conf. Ser.: Earth and Environmental Science, 2023. doi:10.1088/1755-1315/1129/1/012045
- **Vardhan P.**, and Tarafdar A. K. (2021): “*Exploring Potential of Public Land Based Revenues to Finance City Infrastructure: An assessment using linear programming for Guntur Municipal Corporation*” . Published in ‘*International Journal of Built Environment and Sustainability*, (Jan, 2021) Vol 08, Issue No. 1 2021, pp 1-13. Universiti Teknologi Malaysia, Malaysia. eISSN 2289-8948. ISSN: 1511-1369. DOI: <https://doi.org/10.11113/ijbes.v8.n1.559>. Open Access Article.
- **Vardhan P V.** et al (2021, Editors): Conference Proceedings of International Conference on “*Resilient and Liveable City Planning 2020*”. Organised by SPA Vijayawada on Feb 10-14, 2021, 492 pages. ISBN 978-93-90211-61-6. Feb, 2021, BSP Publishers, Hyderabad.
- **Vardhan P.** and Tarafdar A. K. (2021): “*Potentials of Public Leasehold Systems for Urban Infrastructure Investments in Guntur Municipal Corporation*” in Edited Book – ‘*Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020*. p234-240. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.
- Yarram V. and **Vardhan P.** (2021): “*Operationalization of Electric Vehicle Charging Stations in Urban Areas - A Case Of Hyderabad*” in Edited Book – ‘*Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020*. Pages 302-307. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.
- Tarafdar A. K., Jain M, Adinarayanane R, **Vardhan P**, Kumar A., Verma P. (2020): “*Gram Panchayat Spatial Development Plan 2041 for Paritala GP and Telaprolu GP, Krishna District*”. A report prepared for the Ministry of Panchayati Raj, Government of India by the School of Planning and Architecture Vijayawada.
- **Vardhan P.** and Tarafdar A. K. (2020): “*Revenue Potential of Public Leasehold System for Urban Infrastructure: A Case of Guntur Municipal Corporation*” . Published in ‘*Journal of Critical Reviews*’, (Jun, 2020) Vol 07, Issue No. 12 2020, pp 476-486. Advanced Scientific

Research, Malaysia. ISSN 2394- 5125. DOI: <http://dx.doi.org/10.31838/jcr.07.12.85>. Open Access Article.

- **Vardhan P.**, and Tarafdar A. K. (2020): *“Land based Revenues and its Sufficiency for Infrastructure Investments in Small and Medium Towns of Andhra Pradesh, India”*. Published in ‘Journal of Advanced Research in Dynamical and Control Systems’ Volume 12(6), Year 2020, Pages 369-381. Kansas City, USA. DOI:10.5373/JARDCS/V12SP6/SP20201042. ISSN: 1943-023X. Open Access Article.
- **Vardhan P.**, Razak A. and Tarafdar A. K. (2020): *“Public Land as a Resource to Finance Urban Infrastructure”* . Published in ‘International Journal of Advanced Science and Technology, (Jun, 2020) Vol 29, Issue No. 06 - 2020, pp 6672-6686. SERSC, Sandy Bay Australia. ISSN: 2005-4238 (Print), 2207-6360 (Online). Open Access
- Vignesh T. and Vardhan P. (2019): *“Application of Space Syntax, Space Matrix and Mixed Use Index for Property Tax Assessment using GIS”*. Published in conference proceedings of ARCS 3.0, Third Annual Research on Cities Summit – Habitat UX, Xavier Center for Urban Management and Governance(Print).
- **Vardhan P.**, Dhemla P., Prakash P. (2015): *“Site suitability analysis for sanitary land fill site for Dehradun using GIS and analytical hierarchy process”*. Published in the Proceedings of National Symposium on Geomatics for Digital India & Annual Conventions of ISG & ISRS(Print).
- Chatterji T., Srinivas D., Kumar KK., Ahmed M., **Vardhan P.**, et al (2015): *“Documentation of traditional housing typology for the poor, based on Building Material usage in the state of Andhra Pradesh”* , Building Material & Technology Promotion Council. Vol 1 (Print).

RESEARCH GUIDED

Has been Main Supervisor for 60 M.Planning thesis and B.Planning thesis between 2013-2024, as detailed below:

Name of the Student	Year	Topic
Ms. Achanala Shravya	2024	A Participatory Approach towards Inner City Regeneration, A case of Anantapur Municipal Corporation
Ms. A Sri Sai Snigdha	2024	Assessment of Property Tax Framework, A case of Vijayawada MC
Ms Laya Osten	2024	Impact of Urban Form and Socio-economics status on Pedestrian Equity in Walkable Neighbourhoods, A case of Bengaluru
Ms Biya S Lakshmi	2024	Optimising Trauma Centre Locations for enhanced emergency Healthcare in Ernakulam District, Kerala
Ms. Sri Sravya	2024	Exploring the relationship between land ownership, holding patterns and land development, a case of urban expansions in Vijayawada
Ms Ribadondor War	2024	Unraveling Urban Flood Resilience through Green Infrastructure Development Initiatives, a case of Shillong
Ms. Jayalakshmi NS	2024	Investigating the role of urban design elements within residential zones in BRTS ridership
Ms. Poushya C	2023	Feasibility of Integrated Solid Waste Management in Peri-Urban area - A Case area of Coimbatore, Tamil Nadu
Ms. Madhumati S	2023	Inner- city Regeneration Plan - A Case of Chennai, Tamil Nadu
Ms. Sristi Mehra	2023	Assessing The TOD Potential of Stations in a Proposed Suburban Railway Corridor. a case of Bengaluru
Ms. Apoorva Prashant J	2023	Impact of Transportation Network and Street Network Connectivity on Public Transport Ridership, a case of Nagpur
Ms. Kativarapu Blessy Amulya Deepika	2023	Ecological Footprint Assessment of Tourists and their impact on Bio-capacity, a case of Panjim
Ms. Atiya Afreen	2023	Assessing Vulnerability of Tribal Household with respect to Drought- a case study of Khutpani Block of West Singhbhum District, Jharkhand

Ms. Meghana Tirupathi	2023	<i>Planning and financing urban greens at area level using TIF – A case of Eluru Municipal Corporation”</i>
Ms. Mirunnaalini	2022	<i>Improving Liveability using Crime Prevention Through Environmental Design Strategies, A Case of Mylapore, Chennai</i>
Mr. Chinnam Sai Srinivas	2022	<i>Tax Increment Financing (TIF): An Alternate Funding for Area Development Projects - A Case of Tadepalli, Andhra Pradesh</i>
Mr. Shubham Kumar S	2022	<i>Smart Solid Waste Management System for Ranchi MC</i>
Ms. Sumalata	2022	<i>Reviving the Heritage Core of the City, Bijapur</i>
Ms. Pasupuleti P	2022	<i>Urban Floods: The Rise in Vulnerability of Low-Lying Areas, Hyderabad</i>
Mr. Madhu Kiran Tayl	2022	<i>Promoting Low Carbon Electric Vehicle (EV) Intermediate Public Transportation Plan for Tenali, Andhra Pradesh</i>
Mr. Shashank Verma	2022	<i>Local Physical Environment and Its Impact on Mode Choice</i>
Ms. G Divya Sri	2021	<i>Urban Sprawl and Impacts on Agricultural Land: A Case of Hyderabad</i>
Ms. Archana Pal	2021	<i>Improving the Liveability of Varanasi Through Tourism Development</i>
Ms. Zorba	2021	<i>Virtual Water Assessment for Thoothukudi District</i>
Ms. Jagrati Jain	2021	<i>An Assessment of the Modal Shift and Environmental Impacts of the Electrification of Intermediate Public Transport: Gwalior</i>
D Vaishnavi	2021	<i>Economic Valuation of Waterbody: Hussainsagar Lake, Hyderabad</i>
Mr. Nimish Laddha	2021	<i>Allocation of Urban Land use to Optimize Travel Behaviour : Nashik</i>
Ms. Mariam Megha Paul	2021	<i>Framework for Electric Vehicle Implementation, Chennai</i>
Mr. S. Prem Kumar	2020	<i>Effects of Metro Station on Land Value and Property Tax: A Case Study of Anna Nagar Tower Metro Station Area, Chennai</i>
Ms. Shreekanya Baral	2020	<i>Potentials of LVC as Funding Option for Mobility Project: A Case Study of Metro Corridor In Kolkata</i>
Mr. Azmeera Naresh	2020	<i>Planning for Integrated Solid Waste Management for Domestic Waste, A Case of Warangal City</i>
Ms. Pooja Pilla	2020	<i>Vulnerability of Fishermen Communities Livelihoods in the Coastal Area Of Visakhapatnam</i>
R. Karthikeyan	2020	<i>Integrated Urban water management for Thiru.Vi. Ka Nagar, Chennai</i>
Ms. Vasavi Yarram	2020	<i>Operationalization of Electric Vehicle Charging Stations in Urban Areas – A Case of Hyderabad</i>
Ms. Nandini Ghose	2020	<i>Quantification of Functional Centers to Enhance the Public Transport, Bhubaneshwar City</i>
Mr. Anish Kumar	2019	<i>Impact of Land Value Capture in making public transport projects financially feasible: Mumbai</i>
Ms. Sasmita Guru	2019	<i>Impact of Spatial Expansion of City Over Urban Green Space: A Case of Cuttack, Odisha</i>
Mr. Prakash Mahto	2019	<i>Socio-Economic Impacts of Industrial Development. A Case Study of Pithampur Town, MP</i>
Mr. Amit Kumar Singh	2019	<i>Valuation of Socio-Economic and Environmental Impact of Aquaculture – A case of Bhimavaram Region</i>
Ms. Lingamsetty R R	2019	<i>PPP in Integrated Municipal Waste Management- A case of Tenali</i>
Mr Bhavya Rai	2018	<i>Micro-financing Infrastructure Through Self-Help Groups in Informal Settlements: Case Study of Madanpur Khadar in Delhi</i>
Ms. Nallaparaju Saisiri	2018	<i>The City after Dark: - Planning for a Safer and Vibrant Night Life</i>
Mr. Vignesh T	2018	<i>Evaluation study of property tax assessment method: Chennai</i>
Ms. Ritwika Dasgupta	2018	<i>Using Public Land as a Resource for Municipalities: Faridabad.</i>
Mr. Navin Kumar	2018	<i>Impact of Land Pooling on Lower Income Group- APCRDA</i>
Mr. Adithya Bandari	2017	<i>Assessment of Intra City Domestic Water Demand and Variations for the City of Vijayawada</i>
Mr. Parth Sarthi Ramjee	2017	<i>Core City Area Revitalization: A Case of Rajwada, Indore</i>
Ms. Gudla Hema	2017	<i>Revitalization of the urban core of Visakhapatnam</i>
Ms. Kundala Naga S	2017	<i>Impact of IT Zones on residential growth in Visakhapatnam</i>
Mr. GVVS Surya Madhav	2017	<i>Impact of polluting Industries and their activities on surrounding residential growth: A Case of Visakhapatnam Port Area</i>
Ms. K Sai Kirani	2016	<i>Spatial Development Strategies for small and medium towns, Krishna</i>

<i>Ms. Savitri Kumari</i>	2016	<i>An assessment of urban governance in MSWM, A Case of Ranchi</i>
<i>Mr. Gera Chaitanya</i>	2016	<i>Evaluation of urban poor housing, Vijayawada</i>
<i>Mr. Tikam Singh</i>	2016	<i>Urban redevelopment: use of land re-adjustment tool along metro.</i>
<i>Mr. Konala Sai Kiran</i>	2016	<i>A critical review of Andhra Pradesh Capital Region, LPS</i>
<i>Mr. Rapeti Jagdeesh Pr</i>	2016	<i>Improving efficiency in water supply management, Visakhapatnam</i>
<i>Ms. Naina Gupta</i>	2015	<i>Mode choice model for domestic tourists case area: Delhi</i>
<i>Mr. Ankit Kumar</i>	2015	<i>Planning for compatible land use in the vicinity Vijayawada Airport</i>
<i>Ms. Amrita Bhatnagar</i>	2015	<i>Tax Increment Financing in Urban Fringes: Vijayawada</i>
<i>Mr. Vikas</i>	2014	<i>Integrated urban water management</i>

CONFERENCES, FACULTY DEVELOPMENT PROGRAMMES AND TRAININGS

- Conducted an AICTE Training and Learning (ATAL) Academy **5-day Faculty Development Programme**, fully sponsored by AICTE on “**National Education Policy – Sustainable Change Management in Planning and Architecture**” during Oct 04-08, 2021 together with Dr. Lilly Lose, SPA Vijayawada.
- Conducted an International Conference on **Resilient and Liveable City Planning, Transforming Urban Systems, as the Organising Secretary** together with the other team members during Feb 10-13, 2021 at SPA Vijayawada
- Conducted a Global Initiative on Academic Network (**GIAN**) **5-day National Course**, fully sponsored by MHRD on “**Planning Implementation - Delivering with Awareness of Barriers**” during Oct 03-07, 2017 together with Prof. Adam Sheppard from University of West England, Bristol (UK) and Dr. Ayon Kumar Tarafdar, SPA Vijayawada
- Conducted a **National Seminar on World Water Day (03-22)** together with Dr. Abdul Razak Mohamed on March 26, 2016, organised by Department of Planning, SPA Vijayawada
- Conducted a **State Level Workshop on Master Plan Formulation Using Bhuvan NUIS** together with NRSC-Hyderabad and SPAV on Nov 30, 2015 at SPA Vijayawada for the Staff of Town Planning Departments in the erstwhile State of Andhra Pradesh
- Conducted an **International Seminar on Smart Infrastructure and Smart Cities** as the committee member on Nov 19, 2014, organised by Department of Planning, SPA Vijayawada
- Conducted an **International Seminar on Corridors, City Regions and Cities in Urban and Regional Development** as the committee member on Nov 22, 2013, organised by Department of Planning, SPA Vijayawada

PROJECTS

- Rehabilitation Planning for Polovaram Irrigation Project (2023-24)
- Model Gram Panchayat Spatial Development Plan, Andhra Pradesh & MoPR (2020)
- Preparation of GIS Based Master Plan for Bhimavaram Municipality (2019-2023)
- Development of Grid of Roads, 29 Villages of Chennai Metropolitan Development Area, 2017-19 (Transport Planner & GIS Specialist)
- Preparation of Regional Plan of Kolhapur Region, 2014
- ARPA Riverfront Development, 2013
- Preparation of Master Plan and Zonal Development Plans for Visakhapatnam and Kakinada Petroleum, Chemical and Petrochemical Investment Region SDA Area, 2012.
- Integrated Mobility Plan for Ahmedabad and Gandhinagar Region, Ahmedabad BRT (Janmarg), Urban Transport Investments for million plus cities in India, 2011.
- Port Rail and Road connectivity in India (top 20 ports), 2010.
- ENVIS, Environmental Information Systems for Tirupati Town, 2008.
- General Town Planning Schemes for Ongole and Nellore towns in AP, 2007.

PROFESSIONAL MEMBERSHIPS

- Institute of Town Planners, India (ITPI) - Associate Life Member (AITP 2013-038)
- Indian Society of Remote Sensing, Life Member (L-5780)