

## Kshama Puntambekar Curriculum Vitae



- Name: **Kshama Puntambekar**
- Husband's Name: **Ajay Puntambekar**
- Institute: **School of Planning and Architecture Bhopal**
- Current Position: **Associate Professor, Department of Planning**
- Permanent Address: **78-Orange Platinum Park South T. T. Nagar, Bhopal 462003**
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### Education Qualification

Degree(Subject)	Institution/ University	Year of Passing
B. Arch	Nagpur University	1996
M. Tech (Urban Planning)	V.R.C.E.Nagpur	2000
PhD	M.A.N.I.T. Bhopal	2010
National Natural Resource Management Scheme (NNRMS) Training for Teachers	Indian Institute of Remote Sensing, Dehardun	2016

Area of Research: **Land use and Travel Behaviour, Urban Planning, Urban Morphology, RS and GIS**

### Membership in Professional Societies/Institutions

Name of the Professional Institute /Society	Type of Membership
Council of Architecture CA02005/36820	Member
Institute of Town Planners India 2003-64	Associate member
Indian Road Congress 34074	Individual associate member

### Academic/Teaching Experience

Teaching for more than 25 years (14 years in SPA Bhopal)  
Teaching in B. Arch, B. Plan, MURP, MPEP, MPTP and M. Arch (Conservation) PhD. Courses

### PhD Candidates

- Prashanti Rao awarded Linking Visual Accessibility and Green Space Usability in Gated Residential Communities (2017)
- Vinita Paikra awarded Methodology for Identification of Determinants Influencing Residential Water Consumption in an Indian City (2019)
- Rahul Tiwari awarded Rationalisation of Benchmarking Parameters for Effective Evaluation of Bus Based Transport System (2021)
- Premjeet Dasgupta awarded Decoding Utility Cycling Behaviour in a Rural Perspective- A study of Selected Rural Area of M.P., India (2022)

### Administrative Experience

Associate Dean (Academics) from July 2023  
Chairperson Internal Complaint Committee during from July 2023  
Coordinator, Master of Urban & Regional Planning Programme  
Coordinator, Master of Environmental Planning Programme  
Member of the Senate of School of Planning and Architecture Bhopal till 2016  
Faculty Coordinator NOSPlan 2014  
Professor-in-charge GIS Lab  
Centre Head, Centre for Geo-informatics (2017-2020), Centre of Excellence (Ministry of Tribal Affairs) 2019-2021, Centre for Indian Knowledge System of Town Planning (2023-)  
Member of Doctoral Research Committee  
Member of BoS for B.Plan and M.Plan at SPA Bhopal  
Editor for Inaugural Issue of Journal 'SPANDREL' and Editor for SPANDREL issue 12 'Geo-Spatial Aspects of Planning and Development' (2016)  
Earlier Student's Advisor Presently Cultural Coordinator  
Member of Organising Team for Workshops in the Institute  
Superintending Warden Girl's hostel

### Publications in Journals and Conference Proceedings

Bedi, T.K., Puntambekar, K. & Singh, S. Light pollution in India: appraisal of artificial night sky brightness of cities. *Environ Dev Sustain* 23, 18582–18597 (2021)

Tiwari R and Puntambekar K. Study of Gender Preferences to Parameters of Public Transport Evaluation: a Case of Bhopal Nagarlok Journal, Vol LII, Part 1, January March 2020, ISSN-0027-7584

Mahapatra G. Puntambekar K. "Comparison of results between conventional techniques and GIS in old city surveys" –International Journal of Town Planning and Management Vol 4 No. 2, 2018

Puntambekar K. and Tiwari R. "Redefining the Service Level Benchmarking (SLB) for Public Transport System in India" International Conference on Transportation and Development (ICTD), 2018

Morey B. and Puntambekar K 'Watershed Vulnerability Analysis in Drought prone area using Geo-spatial techniques, case study – Jalna district Maharashtra' SPANDREL, Issue 12 Monsoon 2017

Tiwari R and Puntambekar K. "Evaluation of Bus based Public Transport System with reference to Service Level Benchmarks – A Case Study of Bhopal" published in Bi-Annual Journal "Urban Panorama" by Regional Centre for Urban and Environment Studies (RCUES) Ministry of Urban Development, Gol Vol. XIV July-Dec 2015, No. 2, ISSN 0975-8534

Rao P. and Puntambekar K 'Empirical Investigation of the Initiatives to Alleviate the Development ,Management and Protection of UrbanGreen Spaces', International Journal of Engineering Research & Technology (IJERT) Vol 3 issue 6, June –2014

Rao P. and Puntambekar K 'Measurement of Sustainability in terms of Human population and their respective environments across time and space.' CASA 2012

Rao P. and Puntambekar K 'Indian cities in transition: Its impact over Natural Heritage, Case of Bhopal'61<sup>st</sup>National Town and country Planning Congress Proceedings at Ahmedabad2014 ISSN:2278 0181

Paikra V. and Puntambekar K. 'Water Conservation in Indian Context: Traditional and Participatory Approach' ITPI Journal 2012

Puntambekar K. and Majumdar U. 'Project Review Jharneshwar Temple Bhopal' SPANDREL, Issue 3 Monsoon 2011

Puntambekar K., Dhote K.K. and Sharma A. 'Road Safety in Central India: Issues and Challenges for Planners', Journal of Indian Road Congress. August 2010

- **Books and Chapters in Book**

Puntambekar K. 'Travel Behaviour Studies Facilitate Integration of Land Use and Transport Planning' Urban Transport XVIII Urban Transport and the Environment in the 21st Century, APratetti and B WIT Press ISBN No: 978-1-84564-520-5 ISSN (Print): 1746-4498 Page Nos. 329-339

Mahapatra, Gaurab Das, and Puntambekar Kshama. Reinterpreting Urban Fabric in Cities with Living Heritage: The Case of Kolkata [ISBN - 978 - 93 - 83419 - 88 - 3]. New Delhi: Copal Publishing, 2020.

Chapter "Smart Environment through Smart Tools and Technologies for Urban Green Spaces" in Smart Environment for Smart Cities. Springer Publications, 2019 ISBN 978-981-13-6821-9 ISBN 978-981-13-6822-6 (eBook)

Editor for Inaugural Issue of Journal 'SPANDREL' and Editor for SPANDREL issue 12 'Geo-Spatial Aspects of Planning and Development' (2016)

- **Conferences and Workshops attended**

Presented paper titled 'Spatializing the Geopolitical Machinery of the Paramara Dynasty' in National Conference on 75 Shades of Heritage at SPA Bhopal

Presented paper titled City Plan Forms in Ancient Texts in Bharatvarsha in National Conference on 75 Shades of Heritage at SPA Bhopal Oct 2023

Presented paper titled Unravelling the Enigma of Padavinyāsa: Exploring the Dynamic Allocation of Padas to Deities across Textual Variations NYCIS at IIT Kharagpur (presented by co-author) 2023

Paper titled 'Role of Sacred Groves in Sustaining Urban Ecology' International Conference at IITM Gwalior, 12-14 February 2014 (presented by co-author)

Presented Poster titled 'Low Carbon Scenario for Transport sector in Bhopal' in 19<sup>th</sup> AIM International Workshop, NIES, Tsukuba Japan Dec 2013

Presented paper titled 'Spatial Analysis of Low Carbon Development 2050: A Case of Residential Sector, Bhopal, India' in International symposium on Digital Earth 2013, Kuching

Presented paper titled 'Travel Behaviour Studies Facilitate Integration of Land Use and Transport Planning' in Urban Transport 2011 International Conference at Pisa Italy from 6th to 8th June 2011

Presented paper titled 'Inclusive Planning as a Tool for Meeting the Shelter Needs of Urban Poor – A Community Based Approach' in National Conference of ITPI at Nagpur Dated 4th to 6th January 2010 page nos.62-67 (presented by co-author)

Paper presented titled 'Spatial Decentralisation an Innovative Approach to Reduce the Traffic Congestion – A case of Bhopal (India)' in International Conference on Transportation System Studies (ICOTSS-2008) organised by Department of Economics, University of Mumbai 10<sup>th</sup> -12<sup>th</sup> January 2008

Paper presented titled 'Policy Intervention for Housing of Urban Poor' in National Conference Bhartiya Vigyan Sammelan 2007 organised by MPCST Bhopal, 23<sup>rd</sup> – 25<sup>th</sup> November 2007

Paper presented titled 'Role of G.I.S. in Urban Planning' in International Conference Urban Planning and Environment: Strategies and challenges at Elphinstone College, Mumbai, India on 30 and 31 Jan. 2007

Paper presented titled 'Urban Heat Island' in International Conference Urban Planning and Environment: Strategies and challenges at Elphinstone College, Mumbai, India on 30 and 31 Jan. 2007

Paper Presented titled 'Need of Integrated Land Use and Transport Planning' in International Conference Eco-city 6 in Bangalore 3-6 Dec 2006

- **Invited Lectures and Workshops**

Invited for Lecture on 'Facility planning and its sustainability in Tourist Places' at Institute of Hotel Management Bhopal Oct 2018

Invited for Lecture on Impact of Tourism on Destinations' in 'Sustainable Tourism Criteria for India' ( STCI) by Ministry of Tourism and (ESOI) Sept 2018

Invited for Lecture on 'Sustainable development of urban areas: A Geospatial approach.' in IUIM 2015 at IIRS Dehradun

Invited for poster presentation on "Low Carbon Scenario in Transport Sector for Bhopal' in 19<sup>th</sup> AIM AIM International Workshop

Invited to attend AIM Training Workshop 2012 Training Workshop on the AIM/Enduse model from July 24 2012 to August 2 2012

Invited for Follow-up workshop on the AIM/Enduse model from 10th Dec to 13th Dec 2012

Presentation in 18th AIM International Workshop on 'Low Carbon Scenario in Transport and Housing Sector for Bhopal'

- **Jury member/ reviewer/Member of Panel**

External Examiner in the panel for PG thesis review in Indian Institute of Remote Sensing (IIRS) Dehradun 2017-2022

Member of Selection Committee for Associate strategic planning and management at NIRDPR Hyderabad 2018

External Examiner in the panel for PG and PhD review in Gujarat Technical University, Ahmedabad 2014-15

Expert in the selection panel of Research associates for the research project in MANIT Bhopal 2013-15

Member of Student Research Committee for four PhD Scholars

External Examiner for Courses in B. Plan and M. Plan in MANIT Bhopal, SPA Delhi, SPA Vijaywada, COEP Pune

Reviewer for journals - Indian Society of Remote Sensing, TIPCE, Springer Natural Hazards, Land Use Policy etc

Member of BoS for M.Plan (Urban and Regional Planning) at College of Engineering Pune, (COEP) Pune

- **Research and Consultancy**

Project Leader for GIS based Master Plan preparation for ULBs in Uttarakhand

PI- Centre for Indian Knowledge Systems for Town Planning (C-IKS-TP) Dec 2022

Co-PI of 'Enhancement of Mobility in Rural and Urban Areas using Electric Bicycles' sponsored under IMPRINT 2C of SERB Nov 2019 – Feb 2021

Principal Investigator for Strategic Plan for Sustainable Tribal Settlements and Livelihoods in India sponsored by Ministry of Tribal Affairs GoI 2019

Urban Planner for Coimbatore Regional Plan in MOU of SPA-B with GIZ & T.N. government (May, 2018- April 2019)

Team Member of Institute Consultancy Project 'Gram Panchayat Spatial Development Plan for Barkheda Salam' sponsored by MoPR 2018

Team Member of Institute Consultancy A Study to Develop Appropriate Housing Design Alternatives for the Geo-Climatic Region covering the States of Madhya Pradesh, Chhattisgarh & Inland Maharashtra, sponsored by Human Settlement Management Institute. (HSMI) HUDCO

Team Member of Institute Consultancy Project 'Comprehensive Project and Research Report on Ashapuri Temple, a 3rd -4th Century temple near Bhopal sponsored by World Monument Fund Project 2013-15

Team Member of Institute Consultancy Project 'Review and Preparation of Urban Development Plan of Samdrupjongkhar Thromde, Bhutan' for Department of Human Settlements, Ministry of Works and Human Settlements, Royal Government of Bhutan, December 2012-July 2013

Data collection concerning: energy, specification of energy technology and driving force of energy demand sponsored by Mizuho Information and Research Institute, Tokyo, Japan. 2011-13

Global Studio on “Local Biodiversity Strategies and action Plan” in collaboration with United Nations University – Institute of Advanced Studies (UNU-IAS), Convention on Biological Diversity (CBD), ICLEI-Local Governments for Sustainability and Madhya Pradesh State Biodiversity Board Sponsored by National Biodiversity Authority. Jan-June 2012

Impact Assessment Study of Project: Water Supply to Gas affected areas of Bhopal sponsored by Bhopal Municipal Corporation 2012

Nomination Dossier for Proposed World Heritage site of Chambal river and Ravines in Natural Category – Data collection sponsored by M.P. Ecotourism Board, Bhopal 2012

Heritage Impact Assessment for World Heritage Site Khajuraho sponsored by Archeological Survey of India 2011

- **Organizing workshops and seminars in the institute.**

Organising Secretary for Urban Innovation Conference 2024 (UIC24) from 1<sup>st</sup> to 3<sup>rd</sup> March 2024

Coordinator of STTP on Short Term Training Program on Geospatial Applications 1st to 12th July 2019

Coordinator of STTP on Short Term Training Program on RS and GIS Application In Planning And Architecture 2nd to 6th July 2018

Coordinator of Green Transport workshop for sensitization programme on 'Sustainable Urban Habitat' sponsored by CDMA, Madhya Pradesh

Member of Organizing Committee of Workshop on modification of UDPFI Guidelines, January 2014

Member of Organizing Committee of International Conference: Sustainable Futures, December 2013

- **Publication from research and consultancy work**



### Other achievements

Member of Promotion of Space Technology Application in Urban and Regional Planning through Education Committee Institute representative

Member of Authoring Group to prepare “Model Syllabi for UG and PG Courses of Planning and Model Course Content for Capacity Building under AMRUT 1’

Member of Authoring Group to prepare “Model Syllabi for UG and PG Courses of Planning and Model Course Content for Capacity Building under AMRUT.2’