

# KAVITHA RAGHUNATH

An Urban Development professional with 3 years of experience in Architecture, Planning & Urban Development

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## AREAS OF EXPERTISE

Urban Development

Transport Planning

Public policy

Statistical Analysis

Project Management

Feasibility Studies

Sustainability

Geo-spatial Analysis

## EDUCATION

**Jul 2016 – May 2018** **Masters in Urban Planning and Management \* | Centre for Environmental Planning and Technology (CEPT), Ahmedabad, India**

\* Urban Planning & Management; Environmental Management; Urban Governance - Structures, Legislation, Policy, Public Finance; Infrastructure Planning & Management: Transportation, Water and Sanitation Management; Project Management, Project Appraisal, Environmental Impact Assessment, Cultural Heritage Conservation & Management, City Branding

**G.P.A – 3.2/4.3 (First Class with Distinction)**

**Aug 2009 - Jul 2014** **Bachelor of Architecture \* | M.S. Ramaiah Institute of Technology, Bangalore, India**

\* Architecture; Sustainable Architecture; Historic Preservation; Landscape Architecture; Construction Management; Structural Engineering & Infrastructure

**G.P.A – 8.2 / 10.0 (First Class with Distinction)**

## WORK EXPERIENCE

**Nov 2018 – Present** **Independent Consultant | Global Network of Development Professionals**

- Preparation of Research proposal for assessing the impact of smart solutions for solid waste management as proposed by the Smart Cities Mission proposal for Bangalore
- Evaluating the extent of adoption and application of technology in the solid waste management sector by Urban Local Bodies in India.
- Collection and analysis of primary and secondary data, stakeholder consultation; Preparation of technical reports.
- Structuring policy recommendations for optimizing the usage of smart solutions for solid waste management operations in collection, handling and disposal of solid waste.

**May 2017 – July 2017** **Summer Associate | Smart Cities India Foundation**

- Key Project: Sustainability Assessment of Urban Infrastructures in India – The project aimed to review existing frameworks for appraising infrastructure projects and their sustainability and identified gaps relevant to the Indian context.
- Reviewed existing frameworks for Sustainability (Social, Economic and Financial) Assessment of Urban Infrastructure and developed an assessment framework which is relevant to the Indian context based on gaps identified.
- Was responsible as a Coordinator for organizing the National Green Skills Academic Conference, tasks included: financial documentation, travel management, coordination with stakeholders, communication management.
- Prepared client presentations and recommendation reports

**Oct 2015 – Mar 2016** **Research Assistant | Centre for Science, Technology & Policy (C-STEP)**

- Key project: Peri-Urban Development in Doddaballapura Taluk Area
- Data Analysis and Technical Support in the collection of primary and secondary data
- Facilitated public consultation including stakeholders on issues relating to housing, water and sanitation in the area.
- Developed a multi-dimensional poverty index based on households' access to water and sanitation services as a part of vulnerability assessment to climate change.
- Prepared client presentations and recommendation reports

**May 2015 - Oct 2015** **Research Assistant | Directorate of Urban Land Transport (DULT)**

- Key project: Station Accessibility Plan, Vijayanagar, Bangalore – the project aimed to identify obstacles to accessibility to an upcoming metro station in Vijayanagar in an effort to promote ridership, ensure seamless connectivity between different modes of transport and promote the use of non-motorized transport in the area.
- Assisted in data collection for origin and destination surveys, perception study of transit users and measuring walkability.
- Use of geo-spatial analysis to analyze land use, built use, road networks, traffic movement around major junctions in the study area and their impact on accessibility.
- Preparation of Detailed Project Reports, Feasibility reports and development of Urban Design Policy guidelines to enhance accessibility to the metro station with the objective of promoting ridership and safety of pedestrians.

Jan 2014 – April 2015

Junior Architect | Architecture Paradigm Pvt. Ltd.

- Key Projects: Single-Family Residential Design and Development, Interior Design and Management, Multi-Family Housing Design and Development.
- Worked independently as well as in teams on various medium and small-scale projects seeing them through phases of schematic design, design development and construction administration activities.

## PROFICIENCIES

**Software** SPSS, Adobe Creative Suite,, AutoCad, ArcGIS, Microsoft Office (Excel, Powerpoint, Word)

**Languages Known** English, Kannada and Hindi.

## ADDITIONAL PROFESSIONAL CERTIFICATES

July 2016 - Present

Urban Infrastructure Management\* | Ecole Polytechnique Federale De Lausanne

\* Functional governance and management structures that ensure efficient, resilient and sustainable performance in cities, the current urbanization growth.

July 2016 - Present

Designing Cities\* | University of Pennsylvania

\* Focus on a different aspect of city design including: How Today's City Evolved; The Ideas That Shape Cities; Tools for Designing Cities; Making Cities Sustainable; Cities in the Information Age; Preserving Older Cities; Designing New Cities, Districts and Neighborhoods; The Challenges of Informal Cities and Disadvantaged Neighborhoods; and Visionary Cities.

June - August 2018

Fundamentals of Quantitative Modeling

\* Course on developing financial models for business decision making, mathematical functions of different types of quantitative models, interpretation of modeling outputs and implementation of financial models.

## WORKSHOPS

Dec 2017 – Jan 2018

Decoding Cities\* | Centre for Environmental Planning and Technology

\* Understanding and evaluating urban public spaces through formulation of research hypothesis in order to test assumptions, perceptions, notions and strongly held beliefs that are prevalent about public spaces using mapping techniques.

Dec 2016 – Jan 2017

Financial Markets\* | Centre for Environmental Planning and Technology

\* Understanding financial markets and its components; equity, stocks, bonds, commodities, foreign exchange etc.  
\* Understanding of financial concepts through simulations of financial trading in equity and foreign exchange markets.

## PUBLICATIONS

May 2018

- **“Smart Metering – Challenges for Implementation: An Assessment of Bangalore City”** Identifying and Maneuvering challenges of introducing New Technologies in the Water Supply Sector.

My Master's thesis evaluated the social, technical and governance challenges of introducing smart water metering - which is being proposed as a 'smart' solution for water management under the Smart Cities Mission. The study looked at the challenges to effective implementation from the perspective of every stakeholder in the smart metering system namely: the utility, the private sector and the consumer. The research explored conditions aiding or hindering eventual adoption of the technology by consumers.

April 2018

- **“Service Operations Management of Regional Transport Office – Ahmedabad”**

This was part of a project undertaken during my Master's program at Centre for Environmental Planning and Technology, Ahmedabad. The project analyzed the service operations of the regional transport office using tools such as RACI matrix, SIPOC, SERVQUAL etc. with an aim to enhance operational efficiency of the registration services offered at RTO's to enable authorities to improve productivity and optimize use of resources for effective service delivery.

## PROFESSIONAL AFFILIATIONS, MEMBERSHIPS AND CERTIFICATIONS

**Licensed Architect:** Council of Architecture (COA), India. (Registration No. – CA/2016/77685)

## REFERENCES

Dr Gayatri Doctor	Varun John
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