

## Curriculum Vitae

### VISHNU VENUGOPALAN,

Urban Planner with 10 years of experience working with multidisciplinary teams/ experts from various fields related to urban infrastructure on projects/studies funded through ADB, GIZ etc. **Key projects include 4 Smart Cities Projects- MoHUA, Master Planning of Hyderabad NIMZ Pharma City, TOD Planning for Cochin Metro Rail & feasibility study for Chennai Metro Rail – Phase 2, Review of Regional Plan-2021 of NCRPB, Urban Transport Solutions for Aizawl and Preparation of City Mobility Plan for Erode & Salem.**



1.	<b>DATE OF BIRTH</b>	: March 27, 1986	<b>CITIZENSHIP:</b>	Indian
2.	<b>ADDRESS</b>	: Flat 19A2, Cordial Amity, Kodapanakunnu, Peroorkada, Thiruvananthapuram 8882941999(M), <a href="mailto:contactvishnuvg@gmail.com">contactvishnuvg@gmail.com</a> (e)		
3.	<b>EDUCATION</b>	: <b>Masters in Urban Planning,</b> Bhaikaka Centre for Human settlements, Sardar Patel University, VV Nagar, Gujarat, India, 2011  <b>Bachelor of Architecture,</b> Dr. D. Y. Patil college of Architecture, Navimumbai, Mumbai University, India, 2008		
4.	<b>PROFESSIONAL MEMBERSHIP</b>	: Institute of Town Planners, New Delhi Member, Council of Architecture, New Delhi		
5.	<b>COUNTRIES OF WORK EXPERIENCE</b>	: India, Kuwait		
6.	<b>LANGUAGES KNOWN</b>	English, Hindi and Malayalam		
7.	<b>EMPLOYMENT RECORD:</b>			
	Feb 2018- Till Date	Employer: <b>Smart City Thiruvananthapuram Ltd.</b>	Position Held: <b>Manager – Urban Planning</b>	
	Feb 2017 – Jan 2018	Employer: <b>TATA Consulting Engineers, Bengaluru</b>	Position Held: <b>Manager – Urban Development</b>	
	Aug 2016 – Feb 2017	Employer: <b>Surbana Jurong Pvt. Ltd, Bengaluru</b>	Position Held: <b>Urban Planner-Transportation</b>	
	Oct 2011– July 2016	Employer: <b>CDM Smith Pvt. Ltd, Bengaluru</b>	Position Held: <b>Senior Planner</b>	
	Feb 2014- May 2014	Employer: <b>Urban Mass Transit Company, New Delhi</b>	Position Held: <b>Senior Officer</b>	
	Oct 2010–Sept 2011	Employer: <b>Green Eminent, Vadodara, Gujarat, India</b>	Position Held: <b>Associate Planner</b>	
	June 2008–Feb 2009	Employer: <b>DAR SSH Intl Consultants, Kuwait</b>	Position Held: <b>Junior Architect</b>	
	Dec 2007– Mar 2008	Employer: <b>STUP Consultants P. Ltd, Navimumbai</b>	Position Held: <b>Trainee Architect</b>	

### WORK UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE THE TASKS ASSIGNED

	<p>Name of assignment or project: <b>Implementation of Smart City Mission in Thiruvananthapuram</b>  <b>Year:</b> Feb 2018– ongoing  <b>Client:</b> Working in the SPV constituted for implementation of Smart City Mission in Thiruvananthapuram  <b>Main project features:</b>          In-charge of Urban Planning and Architecture Projects of Smart City Thiruvananthapuram Limited</p>
	<p>Name of assignment or project: <b>PMC Team member for Smart City Plan Implementation at Raipur, Shivamoga and Hubballi</b>  <b>Year:</b> Feb 2017– Jan 2018  <b>Client:</b> SPV set up for SCP Implementation in these 3 cities  <b>Main project features:</b> Preparation of feasibility and DPR's for various project components identified in SCP</p>

	<p><b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Provided inputs for preparation of Feasibility and DPR's for construction of Smart Roads with underground utility ducts, Pedestrian facilities, Cycle tracks and other visual improvement components</li> <li>• Provided inputs for Land Monetization schemes identified within ABD area in coordination with PPP and urban finance Expert.</li> <li>• Identification of NMT routes to be developed only for e-rickshaws, cycling and for pedestrian in congested areas of ABD with very less Road ROW.</li> <li>• Provided inputs for preparation of Feasibility and DPR's for development and rejuvenation of open spaces like parks, rivers, lakes, canals, stadiums etc.</li> <li>• Responsible for getting various project plan (related to Urban Planning) approved by Local stakeholders, SPV team and from KUIDFC – state level nodal agency</li> </ul>
	<p>Name of assignment or project: <b>Master Planning of Hyderabad Pharma City (NIMZ)</b>  <b>Year:</b> September 2016– Feb 2017  <b>Client:</b> Telangana State Industrial Infrastructure Corporation (TSIIC)  <b>Main project features:</b> Preparation of a concept Master Plan for Pharma City (19000 acres) and detailed Master Plan of Phase 1 (5000 Acres)  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Assisted in the preparation of 'Environment Impact Assessment' report in coordination with EPTRI.</li> <li>• Identifying possible clientele willing to invest in this project (land Area requirement, infrastructure needs and investment potential) and data analysis of the same to formulate zoning strategies</li> <li>• Socio – economic impact assessment due to the project on the immediate surrounding and region.</li> <li>• Proposals (new links) for rail and road connectivity for passenger and freight movement.</li> </ul>
	<p>Name of assignment or project: <b>Master Planning of Jamshedpur City</b>  <b>Year:</b> August 2016– Dec 2016  <b>Client:</b> TATA Steel  <b>Main project features:</b> Preparation of a concept Master Plan of Jamshedpur City  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Coordination with survey agencies for consolidating database generated through classified traffic volume counts, mid-block counts, Trip rate analysis and parking analysis.</li> <li>• Data analysis of various traffic assessment parameters like Modal Split, Volume / capacity, Level of Service, congestions points during morning and evening peak hours.</li> <li>• Identifying growth nodes and major road networks which are deprived of Public Transport and propose short and medium term proposals which can feed into the Transportation Plan.</li> </ul> <p>Evaluation of the existing condition of building in Jamshedpur (Residential, Commercial and public) based on their age, typology, defects, layout and identify properties which would need reconstruction after demolition or just repairs.</p>
	<p>Name of assignment or project: <b>ADB TA-8765: Supporting Sustainable Urban Transport in Aizawl, Mizoram</b>  <b>Year:</b> April 2015–July 2016  <b>Location:</b> Aizawl City, Mizoram state, India  <b>Client:</b> Asian Development Bank(ADB)  <b>Main project features:</b> Improvement of traffic conditions in Aizawl by identifying short term (2-3years) low-cost traffic management improvements and by proposing suitable long term (5-10 years) urban transport projects.  <b>Position held:</b> Project Manager/ Urban Planner  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Responsible for overall co-ordination of project from project bidding stage.</li> <li>• Reviewed the Master Plan and other planning documents to revisit the city growth pattern and potential corridors for public/mass transport corridors</li> <li>• Assessing potential future demand for the public transport modes, based on land-use changes and government policies to steer development to outlying areas</li> <li>• Assessing the potential for 'Transit-Oriented Development' and 'Value Capture' of some of the development potential created by new public transport.</li> <li>• Assess the existing building control regulations, practices and policies towards off-street parking and develop the policy proposals for off-street car parking.</li> </ul>
	<p>Name of assignment or project: <b>Feasibility study for the three corridors of Chennai Metro- Phase2</b>  <b>Year:</b> Feb2015–May 2015  <b>Location:</b> Chennai, Tamil Nadu, India  <b>Client:</b> Chennai Metro Rail Corporation(CMRL)  <b>Main project features:</b> Feasibility Study of the proposed three corridor based on ridership forecasts estimated through land-use and employment projections.  <b>Position held:</b> Urban Planner  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Review the Master Plan and City Development Plan of Chennai City and assess the future growth potential and trends based on Land-use analysis.</li> <li>• Review the upcoming developments and future growth potential / direction of the city and sub-urban areas</li> </ul>

	<p>Identification of future growth-nodes which would require Metro connectivity based on ridership estimates and potential for future growth.</p>
	<p>Name of assignment or project: <b>National Capital Region Urban Infrastructure financing facility funded by ADB (NCRUIFF)-PMC</b>  <b>Employer:</b> CDM Smith Inc.  <b>Year:</b> November 2012–Jan2014  <b>Location:</b> New Delhi, India  <b>Client:</b> National Capital Region Planning Board(NCRPB), MoUD.  <b>Major project features:</b> Review of Regional Plan (RP-2021), Investment program Management and Monitoring support and Project identification and feasibility reports.  <b>Position held:</b> Urban Planner  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Assisted NCRPB’s planning team in projecting the population for the horizon year 2021 for estimating the infrastructure demand for the region.</li> <li>• Assisted Chief Regional Planner of NCRPB in revision of various chapters of RP-2021 with assistance from subject experts, which included collating data from primary sources and from implementing agencies and NCR Cell.</li> <li>• Assisted in the review of Sub-regional plans (SRP) of Haryana and Uttar Pradesh to ensure that the SRP is in concurrence with the RP-2021.</li> <li>• Assisted NCRPB officials in coordinating the study group/ steering committee meetings as part of Regional Plan review.</li> </ul> <p>Supported in other day to day technical/financial works related to projects/plans/studies/schemes.</p>
	<p>Name of assignment or project: <b>Preparation of Transit Oriented Development Plan for Kochi Metro Corridor</b>  <b>Employer:</b> Urban Mass Transit Company Ltd.  <b>Year:</b> February2014–May 2014  <b>Location:</b> New Delhi, India  <b>Client:</b> Kochi Metro Rail Limited  <b>Major project features:</b> Objective of the study is to identify and evaluate the options available for high density development along the transit corridor &amp; Stations along with implementation measures to enhance the ridership of metro corridor. The project shall also assess the revenue generated through TOD planning initiatives along the corridor through various value capture mechanisms.  <b>Position held:</b> Senior Officer  <b>Activities in progress:</b></p> <ul style="list-style-type: none"> <li>• Assisted the team in existing situation analysis, delineation of Study Area (TOD Zone), Review of all policy documents (Master Plans, Governing Acts, Development Control Regulations, previous studies etc.)</li> <li>• Review and assess the existing land use of the identified transit corridor and influence area.</li> </ul> <p>Developing an understanding of the urban-form vis a vis Density, growth direction, built up area, economic base, physical infrastructure etc.</p>
	<p>Name of assignment or project: <b>Preparation of Comprehensive Mobility Plan (CMP) for Erode</b>  <b>Employer:</b> CDM Smith Pvt. Ltd.  <b>Year:</b> November 2013–Jan2014  <b>Location:</b> Chennai, Tamil Nadu  <b>Position held:</b> Urban Planner  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Assist the team in reviewing the Master Plan of Erode-1996 and the visions made henceforth.</li> <li>• Changes in the existing and proposed Land-uses were analyzed</li> </ul> <p>Deviations in the Master Plan’s land use allocations were studied and their impact on the transportation network was studied.</p>
	<p>Name of assignment or project: <b>CDIA- Review the CDP and Preparation of PFS and Midterm investment plan for Slum infrastructure in Vijayawada.</b>  <b>Employer:</b> CDM Smith Inc.  <b>Year:</b> June 2012 –October2012  <b>Location:</b> Vijayawada, Andhra Pradesh  <b>Client:</b> City Development Initiative Asia.  <b>Major project features:</b> Identification of infrastructure service gaps in the city- slums and preparation of Mid Term Investment Plan(MTIP) and prefeasibility study(PFS) of projects that require external funding.  <b>Position held:</b> Urban Planner  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>• Assist the Team in reviewing the CDP and assess the projects that were taken up under JnNURM program.</li> <li>• Identify reasons for delay in the projects (i.e. UIG and BSUP) &amp; enlist the observations/ issues identified during the JnNURM program implementation phase.</li> <li>• Identify new investment needs of the city for the next five-year period 2012-2017 that needs alternative sources of funding (either through VMC’s own resources or other funding agencies like ADB, GIZ etc.)</li> <li>• Review relevant data and assess project area to get an understanding of the existing slum area improvement and</li> </ul>

	<p>related integration of infrastructure facilities in Vijayawada</p> <ul style="list-style-type: none"> <li>Coordinate with Eng. Dept. for preliminary design and costing of infrastructure facilities that have identified for funding through external sources.</li> </ul> <p>Work in tandem with VMC (Vijayawada Municipal corp.) for preparation of MTIP and then Pfs of selected slum improvement projects which have identified for external funding.</p>
	<p>Name of assignment or project: <b>ADB TA7148-IND: Promoting Inclusive Urban Development in Indian Cities</b>  <b>Employer:</b> CDM Smith Inc.  <b>Year:</b> October 2011– May 2012  <b>Location:</b> New Delhi, Jodhpur, Bangalore.  <b>Client:</b> Asian Development Bank  <b>Major project features:</b> Formulating “National Housing Development Framework” to enable private-sector led mass provision of affordable housing and increase credit-worthiness of the urban poor by down market of funds for accessing legitimate housing in open market. Ministry of Housing and Urban Poverty Alleviation (MoHUPA) is Executing Agency for the TA.  <b>Position held:</b> Urban Analyst  <b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>As urban planner involved in forecasting the housing demand for various classes of urban areas in India; assess the housing demand versus the available stock.</li> <li>Assist the Project Coordination Unit (PCU) team in formulating a National affordable housing policy with private sector partnership to trigger mass scale supply of affordable owned and rental housing.</li> <li>Assist the PCU team in estimating housing demand in India and study the current housing scenario in India from housing supply and housing finance perspective.</li> <li>Study the best practices/models in housing delivery mechanism.</li> <li>Assist in organizing/ conducting and analysis of interviews/FGDs with Stake holders.</li> <li>Assist PCU team in Data collection and analysis.</li> </ul> <p>Assist Ministry of Housing (MoHUPA) in organizing a Meeting of state Ministers in Real estate (Regulation and Development) Bill, 2012</p>
	<p>Name of assignment or project: <b>Mid-term review of the Master Plan of Jamnagar city, Gujarat, India</b>  <b>Name of firm:</b> Green Eminent, Vadodara, Gujarat, India  <b>Year:</b> October 2010–September2011  <b>Location:</b> Vadodara, Gujarat  <b>Major project features:</b> City Master Plan with sub division code, Area/Zonal planning, formulation of Building byelaws.  <b>Position held:</b> Associate Planner  <b>Activities performed:</b> Responsible for</p> <ul style="list-style-type: none"> <li>Assist the senior planner in collecting primary and secondary data and analysis.</li> <li>Organizing stakeholder workshops and community consultations as part of the review.</li> <li>Preparation of sub division code and building bye laws as per standard norms for sector layout designs and laying infrastructure.</li> </ul> <p>Preparation of GIS based thematic maps and assistance in data analysis and presentation (preparation of analytical charts, tables and reports)</p>
	<p>Name of assignment or project: <b>Master Planning &amp; Architecture Design of SOOR Petrol Station, Radisson SAS Hotel &amp; Shopping Mall project in Kuwait</b>  <b>Employer:</b> DARSSH Intl, Kuwait  <b>Year:</b> June 2008 –February2009  <b>Location:</b> Kuwait  <b>Major project features:</b> Area/Zonal planning, Layout Design, Layout upgrading etc.  <b>Position held:</b> Junior Architect  <b>Activities performed:</b> Responsible for</p> <ul style="list-style-type: none"> <li>Prepare the design development drawings in conjunction with the other disciplines, under the supervision of the Sr. Architect.</li> <li>Prepare schematic arrangement drawings from the approved concept design and integrate the spatial requirements of the other disciplines (Structural and MEP) into the schematic drawings.</li> <li>Prepare the statutory authority drawings, including FAR calculations and identification of spatial functions and areas, as required by the local authorities.</li> <li>Revise construction drawings according to instructions from the Sr. Architect.</li> <li>Assist Sr. Architect in the checking of shop drawings.</li> </ul>
	<p>Name of assignment or project: <b>Logo city at Calicut &amp; Nift-M at Haryana</b>  <b>Employer:</b> STUP Consultants P. Ltd., Navi mumbai, Maharashtra, India  <b>Year:</b> December 2007–March2008  <b>Location:</b> Calicut, Kerala &amp; Haryana, India  <b>Client:</b> Smart City project of Govt. of Kerala and Govt. of Haryana Respectively  <b>Major project features:</b> Strategic investment by respective govt. for attracting foreign investment and state of the art technology in education and food processing sectors. The layout designs was conceived adhering to</p>

international standards, <b>Position held:</b> Trainee Architect <b>Activities performed:</b> Responsible for <ul style="list-style-type: none"> <li>• Preparation of the design development drawings in conjunction with the other disciplines, under the supervision of the Sr. Architect.</li> <li>• Preparing construction drawings &amp; details, door and window schedules, finishes and materials schedules required for the execution of the building.</li> <li>• Revise construction drawings according to instructions from the Sr. Architect.</li> </ul> Maintain/archive all the drawings.	
<b>Seminars attended</b> <ul style="list-style-type: none"> <li>• Workshop on '<b>Trends in Urban population and policy issues</b>' organized by Observer Research Foundation and GIZ on 15<sup>th</sup> March 2013.</li> <li>• Workshop on <b>review of Regional Plan 2021 of National Capital Region with specific focus on Water, transport and environment components</b> conducted in between Dec 2012 till Feb 2013.</li> <li>• Joint workshop by ADB and Jodhpur development authority on "<b>Building Sustainable Future cities: Exploring prospects for TOD</b>" on 24-25 May, 2012 at Jodhpur, Rajasthan, India.</li> <li>• Meeting of state ministers on <b>Real estate (Regulation &amp; Development) Bill, 2012 and Protection of Livelihood &amp; Regulation of street vending Bill, 2012</b> at Vigyan Bhawan, New Delhi on 28th April 2012</li> <li>• National seminar on "<b>Applications of GIS in water management of rural areas</b>" organized at Shirdi in Feb 2011</li> <li>• Attended a '3 day' workshop on "<b>Advanced Geographical information system and remote sensing application</b>" in January 2010.</li> <li>• Attended a 3 day course on "<b>Earth quake Resistant Design</b>" in March 2010 at APIED, Anand,, Gujarat.</li> </ul>	
References	Mrs. Jeena Pradeep, Ex-General Manager, Transportation Planning, CDM Smith Pvt. Ltd. Bengaluru +919343596257
	Mr. M L Chotani Advisor (Institute of Urban Transport), Ex- Member Secretary (AMDA) + 91 9871179847
<b>Declaration:</b> I declare that the above facts given by me are true to the best of my knowledge and belief.	
-sd-	
<b>Date: 30 Jan 2019</b>	
<b>(Vishnu Venugopalan)</b>	



54-11 / 9133



# Sardar Patel University

(Established under Bombay Act No. XL of 1955 and adapted and modified by the Gujarat Adaptation of Laws (State and Concurrent Subjects) order of 1960.)

Upon the Nomination of the Senate has conferred upon

*Vishnu Venugopalan*

*of the Bhaikaka Centre for Human Settlement*

*the Degree of*

## Master of Urban Planning

*in First Class with Distinction*

*Given under the Seal of the University at  
Vallabh Vidyanagar in the State of Gujarat  
on this fifteenth day of December in the year  
Two Thousand Eleven.*



Chancellor





# University of Mumbai

## मुंबई विद्यापीठ

We,

the Chancellor, Vice-Chancellor  
and

Members of the Management Council  
confer the Degree of

**Bachelor of Architecture**

on

**Vishnu Venugopal Usha**

Dr. D. Y. Patil Education Academy's College of  
Architecture

in the **Pass Class**

for the examination held in May 2008  
at the Convocation  
held on 30th December, 2008.

आम्ही,

कुलपती, कुलगुरू

आणि

व्यवस्थापन परिषदेचे सदस्य

**वास्तुशिल्पशास्त्र स्नातक**

ही पदवी

मे २००८ मधील परीक्षेत

उत्तीर्ण झाल्याबद्दल

विष्णू वेनूगोपाल उषा

डॉ. डी. वाय. पाटील एज्युकेशन अकॅडमीचे कॉलेज ऑफ आर्किटेक्चर  
यांना

३० डिसेंबर, २००८ च्या

दीक्षान्त समारंभात प्रदान करित आहोत.

*Kipoy Khole*

Vice-Chancellor / कुलगुरू



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BARC-2008-00777-00232



# *Certificate of Academic Performance*

*Is hereby granted to*  
*Vishnu Venugopalan*  
*In honour of securing*  
*Highest Marks in Dissertation*  
*from 2009 Batch in Master of Urban Planning*  
*During year 2010 - 2011*

6TH APRIL 2012

VALLABH VIDYANAGAR

*sltn. edu*  
PRINCIPAL

ARVINDBHAI PATEL INSTITUTE OF ENVIRONMENTAL DESIGN



# *Certificate of Academic Performance*

*Is hereby granted to  
Vishnu Venugopalan*

*In honour of securing  
Highest C.P.T.*

*On successfully completion of 2 Years P.G. Programme  
from 2009 Batch in Master of Urban Planning  
During year 2010 - 2011*

6TH APRIL 2012

VALLABH VIDYANAGAR

  
PRINCIPAL

ARVINDBHAI PATEL INSTITUTE OF ENVIRONMENTAL DESIGN





No. MS/NCRPB/2013-14/1833 (b)

Dated : 5.2.2014

**To whomsoever it may concern**

As a team member of the Project Management Consultancy Services for NCRUIFF Project I (ADB Loan 2660-IND), Shri Vishnu Venugopalan has done outstanding work on the demographic and Human Resource Analysis of the NCR for the revision of the Regional Plan 2021 of the NCR.

His diligence, competence and devotion to duty has ensured that the entire analysis and documentation was done in a logical and cogent manner for laying down the policies for the NCR. The draft Revised Regional Plan document was discussed amongst all the stakeholders including the participating State Governments of the NCR who also appreciated the work done by Shri Vishnu Venugopalan.

I wish him all the best.

*Naini Jayaseelan*  
(Naini Jayaseelan)  
Jr.