



**Name in Full  
(in Block Letters)**

**: PATEL CHETANKUMAR RAMANLAL**

**Postal address**

**: A/10- Rang Avdhut Society , Parvat Patiya, Po-  
Puna, Magob, Ta- Choryasi, Surat – Gujarat.-  
394210**

**Present position**

**: Assistant Professor**

**Area of Teaching/Research**

- :**
- Urban Governance and Finance
  - Urban and Regional Planning
  - Planning Legislations
  - Geospatial and Remote Sensing Application
  - Urban Transportation and Travel Demand Modeling
  - Urban Infrastructure Planning
  - Intelligent Transportation System.

**Employment Record**

Name of Employer & place	Designation Of post held	Nature of work	Period		
			From	To	Years and Months
<b>SVNIT, Surat</b>	Assistant Professor	Teaching	05/05/2009	Till date	<b>4 yr 8 month</b>
<b>C.K. Pithawalla College of Engg. &amp; Tech, Surat</b>	Lecturer	Teaching	12/07/2004	04/05/2009	<b>4 yr 9 month</b>
<b>C.K. Pithawalla College of Engg. &amp; Tech, Surat</b>	Lecturer	Teaching	01/10/2003	14/06/2004	<b>8 month</b>
<b>SVNIT, Surat</b>	Visiting Faculty	Teaching	01/09/2003	30/09/2003	<b>1 month</b>
<b>Gammon India, Mumbai</b>	Junior Engineer	Site Execution	05/11/2001	31/08/2003	<b>1 yr 9 month</b>
<b>Vatica Township – Surat.</b>	Site Engineer	Site Execution	01/09/2001	31/10/2001	<b>2 month</b>

**Summer / Winter school or other training Courses attended :**

Sr. No.	Institute	Title	Period		
			From	To	Weeks / Days
1.	SVNIT	Construction and Road Safety Management	26/10/15	30/10/15	1 week
2.	SVNIT	Rajyabhasa Niyam Avem Software Prashikshan	09/06/14	13/06/14	1 week
3.	SVNIT	Computational Methods in Engineering	24/06/13	28/06/13	1 week
4.	SVNIT	Developing Teachers For Effective Teaching & Research	03/06/13	07/06/13	1 week
5.	SVNIT	Comprehensive Transportation planning Practices (CTPP)	13/05/13	17/05/13	1 week
6.	SVNIT	Weekly Intensive Hindi Training Workshop	23/07/12	27/07/12	1 week
7.	IIT Bombay	Traffic Flow modeling	05/07/10	09/07/10	1 week
8.	SVNIT Surat/ AICTE sponsored	Urban infrastructure development and finance management	15/02/10	19/02/10	1 week
9.		Geospatial Technologies and Applications	11/01/10	15/01/10	1 week
10.		Discrete choice modeling	21/12/09	25/12/09	1 week
11.		Civil Engineering Drawing using CAD	07/12/09	11/12/09	1 week
12.		Recent trends in urban transportation planning	05/10/09	09/10/09	1 week
13.		Geotechnical Investigations-Interpretations and Improvement	10/08/09	14/08/09	1 week
14.		Pedagogy & Research Methodology	03/08/09	07/08/09	1 week
15.		Sustainable water and waste management	27/07/09	31/07/09	1 week
16.		Civil project: development and management	20/07/09	24/07/09	1 week
17.		Wind Energy	19/01/09	23/01/09	1 week
18.		Pavement Design and Management System	29/12/08	02/01/09	1 week
19.		Advances in water Resource Engineering	22/12/08	26/12/08	1 week
20.		Software Application And Web Based Learning Tools In Structural Engineering	07/07/08	11/07/08	1 week
21.	GNDEC Ludhiana ISTE sponsored	Recent Advancement In Pavement Design Including Low Volume Roads	16/06/08	20/06/08	1 Week
22.	SVNIT Surat/ TEQIP	Wind Engineering 2008	22/02/08	24/02/08	1 Week
23.	IIT Roorkee	Urban Transportation Planning	24/06/07	28/06/07	1 Week
24.	SVNIT Surat	Fuzzy Set Theory And Fuzzy Logic Application In Civil And Environment Engineering	08/01/07	13/01/07	1 Week

**Research Publication**

**International Journal**

Sr. No.	Title of Paper	Authors	Name of Journal / Conference /Publisher
A	International Journal		
1.	Estimation of Macroscopic stream	Rinkal T Patel	International Journal of Scientific

	parameters for performance evaluation of undivided collector street in India	Chetan R Patel and Dr G.J. Joshi	Computing Volume 6 Number 2 (July December 2012 ) PP 368-370
2.	Capacity and LOS for urban arterial road in Indian mixed traffic condition	Chetan R Patel and Dr G.J. Joshi	Journal of Procedia-Social and Behavioural Sciences Transport Research Areana-Europe 2012, Elsevier Volume 48 (pp 527-534)
3.	Mixed Traffic Speed–Flow Behavior under Influence of Road Side Friction and Non-Motorized Vehicles: A Comparative Study of Arterial Roads in India	Chetan R Patel and Dr G.J. Joshi	International Journal of Civil and Environmental Engineering Vol:1, No:11, 2014
4.	Equivalency factor using optimization for Indian mixed traffic condition	Chetan R Patel and Dr G.J. Joshi	International Journal For Traffic And Transport Engineering (IJTTE) ISSN 2217-544X (print) ISSN 2217-5652 (online) DOI: 10.7708/ijtte.2015.5(2).10 Volume 5 (2)

### International and National Conference / Seminar etc

Sr. No.	Title of Paper	Name of Journal / Conference /Publisher	Volume, Issue No. & Year
<b>A</b>	<b>International Conference / Seminar etc.</b>		
5.	Dynamic Equivalency Factor of Mixed Traffic Stream for Urban Arterial Mid blocks	11th TPMDC Transportation Planning and Implementation Methodologies for Developing Countries 10-12 December 2014, IIT Bombay, Mumbai India	---
6.	Mixed Traffic Speed–Flow Behavior under Influence of Road Side Friction and Non-Motorized Vehicles: A Comparative Study of Arterial Roads in India	ICTTE 2014 : 16th International Conference on Traffic and Transportation Engineering Venice, Italy November 13 - 14, 2014	<b>Vol 8 No 11 pp 480-487</b>
7.	An Integrated GIS approach for optimizing the spatial location of fire station: Surat India	ICES'14: International Civil Engineering Symposium at VIT University Vellor, from 14 <sup>th</sup> to 16 <sup>th</sup> March 2014	---
8.	Estimation of Macroscopic stream parameters for performance evaluation of undivided collector street in India	International conference on innovative Technologies in Engineering and Science -2012 (ITES-2012) 11-23 December, 2012 VVP Engineering College Rajkot Gujarat	---
9.	Accessibility analysis for social infrastructure using GIS: a case study of Surat city	2nd International Conference - Workshop on Sustainable Architecture & Urban Design. March 3-5 2012 School of Housing, Building & Planning, University Sains Malaysia, Penang, Malaysia <b>ISBN:978-967-394-070-7</b>	<b>07URBAN</b> pp 949-954
10.	Prediction of The Remaining Duration of The Project During Execution of The Project		<b>04URBAN</b> pp.850-855
11.	Demand estimation and parking characteristic of the Commercial area: a case study of surat city	International Conference on Advances in Materials and Techniques for Infrastructure Development (AMTID 2011) June 22-24 2011. NIT Calicut, India,	
12.	Development of Weighted Average Delay Model for Signalized Urban Intersection in Indian Context	International Workshop on Transportation Planning and Implementation Methodologies For Developing Countries. (TPMDC 2010) December 15-17, 2010 IIT Bombay, INDIA	

13.	Traffic Behavior Study at Ring Road Area in Surat City	International Conference on Developments in Road Transportation (DRT-2010) October 8-10, 2010 Civil Engineering Department NIT Rourkela, Orissa, India	
14.	Revenue Loss at Intersection a Case Study of Surat, Gujarat		
15.	ANN Perspective in Traffic Engineering		
16.	Planning For NMT: A Case Study of Surat City		
17.	Vulnerable Road Users: An Issue For Sustainable Development	International Congress of Environmental Research (ICER-10), September 16-18 2010 University of Mauritius, Reduit, Mauritius ,	SS II-207; 687;2010
18.	Green Technology For Sustainable Development		SS I-212; 498;2010
19.	Revenue loss and GHG emission at intersection a case study of Surat, Gujarat.		T-231; 800;2010
20.	Measures For Climate Change Towards Sustainable Urbanization		SS II-217; 691;2010
21.	A Roll Of Business Centre In Traffic Impact: A Case Study Of Surat City		T-557; 859;2010
22.	Discharge and Delay Estimation for Unsaturated Signalized Urban Intersection under Mixed Traffic Condition	The 14th HKSTS International Conference, Hong Kong December 10-12 2009 HKSTS, Hong Kong <b>ISBN 978-988-98847-6-5</b>	Vol: II ; 697 ; HKSTS 2009
<b>B</b>	<b>National Conference / Seminar etc.</b>		
1.	GIS based Planning of Social Infrastructure a case study of surat	National Symposium on Geomatics for Digital India at JKLU, Jaipur during 16-18 December 2015	
2.	Effect of non motorized traffic on stream speed of urban arterial road in Indian context	National Conference And Workshop On Recent Advances In Traffic Engineering (RATE 15) July 03-04,2015 Civil Engineering Department, SVNIT, Surat, Gujarat.	
3.	Smart Cities: Issues and Challenges in Indian Context	First National Conference on SUSTAINABLE AND SMART CITIES (SSC-15) 10–11 April, 2015 (Sponsored under TEQIP-II)	<b>pp 483-488</b>
4.	Role of urban planner in disaster mitigation	ICGS-2015 conference on "Gujarat Model of Governance: Lessons & Future Scope" 25-26/04/ 2015.	--
5.	Mix traffic Characteristics of Urban Collector Road in Indian Context	National Conference And Workshop On Recent Advances In Traffic Engineering (RATE 12) June 07-09,2012 Civil Engineering Department , SVNIT, Surat, Gujarat.	80-86,2012
6.	Effect of uncontrolled access and road side activity on multilane Metropolitan arterial under mix traffic environment		129-134,2012
7.	Mixed traffic lane choice and headway characteristics on multilane Urban arterials		143-149,2012
8.	Empirical observation based dynamic characterisation of mixed Traffic characteristics on selected collector streets of Metropolitan cities		159-168,2012
9.	Climate Change and sustainable development for		Sustainable Urban & Transportation Planning: Issues & Management

	urban area	Strategies (SUTRIMS 11) July 08 - 11, 2011 CED, SVNIT Surat	
10.	Household Characteristics of surat City		418, 2011
11.	Traffic Characteristics Study at Intersection A Case Study of Surat City	NEW HORIZONS FOR SUSTAINABLE TOMORROW” February 18-19 2011	
12.	Disruption Of Communication During Flood & Remedial Measures: A Case Study Of Surat	Sarvajanik College of Engineering & Technology, Surat-395 001.	
13.	Characterization of Bus Transit Operation and Demand Estimation: A Case Study of Surat	URBAN MOBILITY 2010, Dec 3-5 2010 New Delhi	
14.	Intelligent Transport System(ITS) - A Tool for the Urban Transport Planner	National Seminar on Sustainable Lifelines: Transportation Planning and Management, 12-13 March 2010.	173-178 ; 2010
15.	E Waste: Issue For The Sustainable Urban Environment	Sustainable Urban Environment: Issues and Management Strategies, SVNIT Surat	IV-1,2008
16.	Carbon Credit: A Way To Sustainability	(27-29 February 2008)	I-22,2008
17.	Environmental Sustainable Transport System: A Challenge For The Developing Country	Sustainable Urban Transportation: Issues And Management Strategies 07, December28-29 2007 SVNIT, Surat	I-39 , 2007
18.	Level Of Service: A Policy Statement For A Sustainable Transport System		I – 23, 2007
19.	Bio Medical Waste: Managements And Handling	National Conference on Environmental Pollution Control for Sustainable Development, Kota; Gov. Engg. College Kota.	2006

#### Publication of Books (if any)

Sr. No.	Title	Publisher	Edition	Month & year Of Publication
1.	Elements of Civil Engineering	Atul Prakashan	7 <sup>th</sup>	August 2009
2.	Proceeding of National Conference And Workshop On Recent Advances In Traffic Engineering (RATE 12)	Excel India Publisher, New Delhi	1 <sup>st</sup>	June 2012 ISBN: 978-93-82062-33-2

#### Workshops / Seminar etc. Attended

Sr. No	Title	Institute / Organization	Duration		
			From	To	Days
1.	Assessment Tools for NBA Accreditation	Civil Engineering Department SVNIT	02-11-2015	02-11-2015	2 Days
2.	Public Transport in Surat: Status and Challenges	IUTI Gujarat Regional Chapter	01-08-2015	01-08-2015	1 Day
3.	Accreditation workshop	Civil Engineering Department SVNIT	20-05-2014	22-05-2014	3 Days
4.	Using Science and Data in Road Safety Management	IIT Madras, Chennai	15-02-2013	16-02-2013	2 Days
5.	61 <sup>st</sup> National Town &	ITPI, New Delhi	08-02-2013	10-02-2013	3 Days

	Country Planners Congress				
6.	The Ambuja concrete Mix Design Workshop	Ambuja Cement Company	09-01-2009	10-01-2009	2 Days
7.	Workshop on Urban Land Management : Policies and Practices	SVNIT Surat	24-04-2008	25-04-2008	2 Days
8.	Workshop on Design Concept of RCC Slabs and Beams	ICEA, Surat	16-06-2007	17-06-2007	2 Days
9.	Seminar on the Complete Construction ERP Solution	SVNIT Surat	06-09-2007	06-09-2007	1 Day

**Prizes / Awards received** : National Award for the Best M. Tech Thesis in Civil Engineering-2008 (First Prize) by ISTE, New Delhi.  
National Award for the Guiding Best M. Tech Thesis in Civil Engineering-2011 (Second Prize) by ISTE, New Delhi.

Second Prize in Hindi Pakhawada 2011 Quiz competition

**Dissertations Guided**

<b>Ph.D.</b>	NIL
<b>M.E. /M. Tech.</b>	10

**Conference/ Workshop / Seminar / Short Courses etc. organized:**

Sr. No	Institute / Organization	Title	Duration		Days
			From	To	
1.	SVNIT, Surat	Coordinator Hands on Training on Total Station", TEQIP-II, SVNIT, Surat	19/04/2013	19/04/2013	One Day
2.	SVNIT, Surat	Coordinator One day Training on "Image processing based traffic data collection using TRaffic AnalyZer and EnumeratoR – TRAZER Suite", TEQIP-II, SVNIT, Surat	07/09/2013	07/09/2013	One Day
3.	SVNIT, Surat	Coordinator One Day Workshop on Geosynthetic Application in Ciivl Engineering(GACE), SVNIT, Surat	30/04/2013	30/04/2013	One Day
4.	SVNIT, Surat	<b>ORGANISING SECRETARIES</b> National Conference And Workshop On Recent Advances In Traffic Engineering (RATE 12)	07/06/2012	09/06/2012	Three Days
5.	SVNIT, Surat	<b>ORGANISING SECRETARIES</b> Sustainable Urban & Transportation Planning: Issues & Management Strategies (SUTRIMS 11)	08/07/2011	11/07/2011	Four Days
6.	SVNIT, Surat	AICTE Sponsored Summer School for faculty development on "Advanced Research Techniques in Urban Planning And Management"	13/07/ 2009	17/07/ 2009	One week

7.	SVNIT, Surat	AICTE Sponsored Summer School for faculty development on "Sustainable Environmental Planning"	30/11/2009	04/12/2009	One week
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**Expert Lecturers Delivered :**

Institute Deptt*	Title of Lecture	Place & Date
SVNIT	Advance Research Techniques In Urban Planning And Management.	SVNIT, Surat, 14/07/2009
SVNIT	ANN Fundamentals.	SVNIT, Surat, 17/07/2009
SVNIT	Carbon Credit.	SVNIT, Surat, 30/11/2009
SVNIT	GIS Application To Planning.	SVNIT, Surat, 01/12/2009
SVNIT	Transportation Infrastructure.	SVNIT, Surat, 03/12/2009
SVNIT	Sustainable Planning Application.	SVNIT, Surat, 04/12/2009
SVNIT	Intelligent Transportation System.	SVNIT, Surat, 12/01/2010
College of Engineering Udaipur	GIS application in Disaster Management	CED, College of Engineering Udaipur, on 31st August 2012
UTU	Urban Transportation System Planning	Faculty of Engineering-CGPIT - Uka Tarsadia University on 15th September 2012.
SVNIT	Application of Statistics with ANN	Mathematical Statistics for Researchers, Engineering and Scientists (MSFRES) 2-6 September 2013

**Administrative duties performed at Department & Institute level :**

**Institute Level Duties**

- Member Technical Scrutiny Committee , SVNIT 2012-14
- Member CCMT- Centralized Admission Process 2012
- Member of Result Preparation Committee SVNIT 2010.
- Co Chairman Institute Magazine committee SVNIT 2010
- On deputation from CCB for IIT Guwahati -Admission centre of AIEEE admission 2010.
- Member MIS committee 2010 CED, SVNIT Surat.
- Member of committee for seventh convocation 2010 SVNIT Surat.
- Class coordinate of B.Tech and M.Tech Programme

**Department Level Duties**

- Member of Time Table committee, CED, SVNIT Surat.
- Member of admission committee for post graduate program 2010, CED, SVNIT Surat.
- Member of scrutiny committee for Teaching Post recruitment 2010, CED, SVNIT Surat.
- Member Curriculum revision for P.G Program -Urban Planning 2010 CED, SVNIT Surat.

- Member of admission committee for post graduate program 2009, CED, SVNIT Surat.
- Member of scrutiny committee for admission in PG program of planning - 2009CED, SVNIT Surat.
- Up gradation of surveying laboratory with advanced instruments SVNIT Surat.

#### Member of Technical Societies

Sr. No.	Name of Association / Society	Category	Membership No.
1.	Indian Society for Technical Education – New Delhi (ISTE)	Life Member	LM - 54342
2.	Indian Road Congress- New Delhi	Life Member	LM - 36806
3.	Institute of Urban Transportation – New Delhi	Life Member	M -1114
4.	Indian Geotechnical Society- New Delhi	Life Member	LM3282

**Additional remarks, if any** :

- Reviewer for “Engineering Drawing”, section, Mc Graw Hill Publication.
- Curriculum Development of Civil Engineering branch, C.K. Pithawalla, Surat.
- Development and up gradation of various laboratories in civil engineering, CKPCET
- Training & Placement Coordination 2008-2009, CED, C.K. Pithawalla, Surat.
- Coordinator of Prarambh 08 –Student Level State Tech fest, C.K.Pithawalla, Surat.
- Member of College Prospect committee 04-05 C.K.Pithawalla, Surat.
- Member of Library committee , CED, C.K.Pithawalla, Surat.
- As Member, Steering committee of “Workshop on MAT Lab”, C.K.Pithawalla, Surat.
- An expert lecture on “Structure and Interior Designing” at SID , Surat.
- An expert lecture on “ Basic Structure” at SID , Surat.
- Co-coordinator of National Level Kavi sammelan in “Sparsh 99”, REC Surat.
- Life Member of ISTE, New Delhi.
- Act as Chairmen of various subjects at university level examination, VN SGU, Surat.
- Act as Observer at exam center of Gujarat Technological University.