

Dr. Krupesh A Chauhan

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Areas of Expertise

- Urban and Regional Planning
- Road Auditing
- Pavement Design
- Analytical Hierarchy Process
- Vastu Science

Profile

Dr. Krupesh Chauhan joined the SVNIT in 1993 and currently holds the position of Associate Professor in Faculty of Urban Planning. He is also Professor in-charge in Road Network and Landscaping in the institute. He hails long years of teaching and research experience in multi-disciplinary field of urban and regional planning, Traffic and Transportation planning, Building Planning and AHP based Urban Modeling. He has established well equipped laboratory for Transportation Engineering and Urban Studio. He has delivered theme talks, chaired sessions and remained jury for the awards in the national and international conferences, universities in India and abroad. He is instrumental in preparation of Different research project for the institute. He had been a member of Technical Scrutiny Agency of Gujarat state during 2001 to 2015. He is one of the members in the Celebration of Different of Days, Technical Festivals, Annual functions etc., of the institute. At present, he is co-coordinator for Unnath Bharat Abhiyan Cell, SVNIT Surat. He has already visited foreign countries North Cyprus, Turkey, Egypt, USA (New Jersey, New York, Washington DC, Niagara, Florida, Miami, New Orleans and Atlanta), UK (London, Birmingham, Bath, Leicester, Oxford, wells, Wolverhampton, Glasgow, Stratford-Upon-Avon, Isle White and Southampton), Germany (Frankfurt), Sri Lanka (Sri Jayewardenepura Kotte, Colombo, Kandy, Galle Sigiriya), Thailand (Bangkok and Pattaya), Dubai, Abu Dhabi and Japan (Tokyo, Osaka and Hiroshima).

Education

Sr. No.	Name of the Certificate/Diploma/Degree, etc.	Year of passing	Name of the Board/College/University/Institutions, etc.
1	Diploma (Civil)	April 1983	Technical Education Board, Gandhinagar
2	BE (Civil)	March 1990	South Gujarat University, Surat
3	ME (Water Resource Engineering)	February 1998	South Gujarat University, Surat
4	ME (Town and Regional Planning)	February 1999	South Gujarat University, Surat
5	PhD (Civil)	November, 2008	VN South Gujarat University, Surat

Professional Experience

Name of Employer & place	Designation Of post held	Nature of work	Period		
			From	To	Years and Months
PWD, Gujarat	A.A.E	Supervision, Execution of Work, Bill Checking, Preparation of Estimate.....etc.	04/04/1984	1/09/1993	09-04
SVNIT, Surat	Associate Professor	UG / PG Teaching, Lab. Work, Consulting Work.....etc.	02/09/1993	Till date	17-07

Courses Taught

Post-Graduate

1. Urban Housing
2. Traffic and Transportation Planning
3. Urban Infrastructure Planning and Management

Under-Graduate

1. Engineering Graphics
2. Basic Civil Engineering
3. Building Planning
4. Estimation and Cost Analysis
5. Town Planning
6. Professional Practice

Ph.D. Thesis Guidance

1. Rajesh S. Gujjar (D09CE106) Title: Evaluation and modeling of micro-surfacing mixed design and its effects on test response for utilization of alternative fillers (Completed on 11/01/2016).
2. Ongoing : 04+03

Important Administrative Duties

1. Urban Studio-in-charge, Urban Planning, 2001-till date
2. PG In-charge, Urban Planning, 2013-15
3. Section-Head, Urban Planning, 2015-till date
4. Professor-in-charge, landscaping and road network, 2001-till date
5. Departmental Coordinator, Examination, 2013-15

Publications

1. International Journal: 17
2. National Journal: 05
3. International Conference: 25
4. National Conference: 22

Selected Recent Publications : International Journal

Sr. No.	Name of Journal	Title of Paper	Volume & Issue No.	Page No.	Year of Publication
01.	International Journal of Civil Engineering and Technology (IJCET)	Application of hydrated lime as optional filler in micro-surfacing	Vol. 3, Issue 2	P. 207-213	July-December 2012
02.	International Journal of Civil Engineering (IJCET)	Application of Copper Slag as Optional Filler in Micro-surfacing	Vol. 1, Issue 2	P. 1-6	Nov 2012
03.	International Journal of Civil, Structural, Environmental and infrastructural engineering research and development (IJCSEIERD)	Application of fly ash as optional filler in micro-surfacing	Vol. 2, Issue 4	P. 17-22	Dec. 2012
04.	American Journal of Environmental Engineering	Feasibility of rice husk ash as optional mineral filler in micro-surfacing incorporating type III aggregate	Vol. 3, Issue 2	P. 95-99	2013
05.	International Journal of Science and Research (IJSR)	Overview of area planning proposal for medium town: A case study of Kamrej Town, Surat District	Vol. 3, Issue 3	P. 69-72	March 2014
06.	International Journal of Civil Engineering and Technology (IJCET)	Planning for High-Rise Building Construction Using Location Based Repetitive Scheduling Method (LBRSM)	Vol.5, Issue 5	P. 1-6	May 2014
07.	International journal of futuristic trends in Engineering & Technology (IJFTET) ISSN: 2348-5264	A critical appraisal on traffic signal timing optimization techniques recently used worldwide	Vol. 6, Issue 1	P. 5-10	July 2014
08.	International journal of research & development organization (IJRDO) ISSN-3855-0154	Capacity and level of services for signalized intersections under mix traffic conditions	Vol. 2, Issue 8	P. 80-83	June 2015

Selected Recent Publications : International Conference

Sr. No.	Name of Conference	Title of Paper	Volume & Issue No.	Page No.	Venue Date
01.	9th International Conference of Geotechnical & Transportation Engineering (Geotropika) and 1st International Conference on Construction And Building Engineering (Iconbuild) GEOCON 2013	Application of rice husk ash as optional mineral filler in micro-surfacing incorporating Type III aggregate	Session 4(B)	Paper ID 208	Johar Bahru, Malaysia 28th to 30th October, 2013
02.	International Conference on Innovations in Engineering and Technology (ICIET 2013)	Planning Proposal for refurbishment and up-gradation of Airport in Surat, Gujarat, India	Section-V	P-260	Dec-25-26, 2013
03.	International Conference on Innovations in Engineering and Technology (ICIET 2013)	Urban design of Surat (Gujarat, India) using sustainable high rise development technique	Section-V	P-266	Dec-25-26, 2013
04.	International Conference on Innovations in Engineering and Technology (ICIET 2013)	Development of urban poor through affordable housing proposal for Surat City, Gujarat, India	Section-V	P-272	Dec-25-26, 2013
05.	International Civil Engineering Symposium (ICES 2014)	Smart cities through sustainable development			VIT University, Vellore 14 th to 16 th March, 2014
06.	Development, Biodiversity And Climate Change: Issues and Challenges	Riverfront Development- Lungs of the City, Case Study of Sabarmati Riverfront, Ahmedabad	Volume-1	page-130	3rd Oct. to 5th Oct. 2014
07.	Development, Biodiversity And Climate Change: Issues and Challenges	Development for Viable and Vital Town Centre-A Case Study of Delhi City	Volume-1	page-131	3rd Oct. to 5th Oct. 2014
08.	GEOMATE 2015 – 5 th International conference at	Tourism planning proposal for Vishakhapatnam City, Andhra Pradesh, India	Session 3	ID No. 5384	Oshaka, Japan 16 to 18 November, 2015
09.	International conference SPICON, Sardar Patel College of Engineering Andheri, Mumbai	A Review of Various Preventive Maintenance Approaches for Flexible Pavements			December 2015

10.	9th International Conference Innovative Research in “Civil Engineering, Architecture, Environmental Engineering for Sustainable Development” (CEASED-2015) by Krishi Sanshkriti	Critical appraisal of commuter’s mode choice behaviour model analysis			Jawaharlal Nehru University, New Delhi 12 th and 13 th December, 2015
11.	9th International Conference Innovative Research in “Civil Engineering, Architecture, Environmental Engineering for Sustainable Development” (CEASED-2015) by Krishi Sanshkriti	Encouraging Neighbourhood walkability through urban design in India-Critical Appraisal and research challenges			12 th and 13 th December, 2015, Jawaharlal Nehru University, New Delhi

Research Projects Status

Sr. No.	Title	Sponsoring agency	Fund		
			Sanctioned Lacs of Rs.	Duration	Status
1	“Thrust area” : a study on mass housing schemes with respect to urban poor in metropolitan cities	MHRD, New Delhi	8.00	2	complete
2	“Rural Roads Pavement Performance Study (RRPPS)	National Rural Roads Development Agency	4.00	3	complete
3	Utilization of Copper Slag and Fly Ash	DST	14.00	3	On going
4	Development of Intersection Design for Elderly People	DST	30.00	3	On going

Publication of Books/Chapter proceeding:

Sr. No.	Title	Publisher	Edition	Month & year Of Publication
1	Proceeding of Training Programme for Engineering personnel	State Technical Agency, PMGSY programme, Department of Civil Engineering, SVNIT, Surat	1st	October 2003
2	Urban storm drain designing and monitoring	Excel India publication, Chapter 2, ISBN: 9789382880004	-	2011-2012
3	Building And Town Planning	Atul Publication, Ahmedabad	1st	2012
4	Qualitative Analysis in Structural Member by Retrofitting ISBN-10: 3659508160 ISBN-13: 978-3659508165	LAP Lambert, Germany	1st	December 2013
5	Sustainable and smart cities ISBN 978-93-84869-52-6	Excel India Publication, New Delhi	1st	April 2015

Recently Conducted Short-term Training Programmes/Conference

1. National conference on ‘Sustainable and Smart Cities’(SSC-15), 10-11 April, 2015 with Dr. Joel Macwan, Shri Ravin M. Tailor and Shri Chetan R. Patel.
2. Two days workshop on “Building model making: A state of art approach”, 30-31 October 2015 with Shri Ravin M. Tailor and Shri Chetan R. Patel.
3. Workshop on “Improving employee accountability for achieving goals in organization” on 23 January 2016 with Dr. S. M. Yadav and Dr. K. D. Yadav.

Member of Technical Societies

Sr. No.	Name of Association / Society	Category	Membership No
1	The Indian Society for Technical Education	Life member	LM-16662
2	The Institutes of Engineers (India)	Life member	M-122231-1
3	The Institute of Vastu Science, India	Life member	LAM – 195
4	The Indian Society for Hydraulics.	Life member	LM – 639
5	Indian Road Congress (New Delhi)	Life member	OM – 28820
6	The Institute of Urban Transport (India)	Life member	936
7	Indian Society for Wind Engineering	Life member	LM-454
8	The Institute of Civil Engineering and Architect- Surat	Life member	LM- J-09
9	Institute of Town Planners of India	Life Member	Applied for

Consultancy Work

He has been already consulted different project for SMC (Surat Municipal Corporation), SUDA (Surat Urban Development Authority), ONGC (Oil and Natural Gas Company), KRIBHCO, Torrent Power, GIPCL, Batliboi and Private Developers and Builders, PWD (Gujarat State).

Professional Contribution

1. Member of State Technical Agency (STA), Gujarat State, Pradhan Mantri Gram Sadak Yojana (PMGSY) under National Rural Road Agencies (NRRA) from 2001 to 2015.



2. Co-coordinator Unnath Bharath Abhiyan Cell, SVNIT Surat Gujarat from November 2015.