

## BIO – DATA

**Name** : Dr. Prasit Girishbhai Agnihotri

**Father's Name** : Girishbhai Bhadrashanker Agnihotri

**Residential Address** : A/104, Prasang Residency,  
Near TGB Restaurant, L.P.  
Savani Road, Adajan-Pal, Surat  
- 395009

**Birth Date** : August 26, 1968.

**Birth Place** : Surat

**Contact No.** : +919924207781

**E-mail Id** : [pga@ced.svnit.ac.in](mailto:pga@ced.svnit.ac.in), [prasitagnihotri@gmail.com](mailto:prasitagnihotri@gmail.com)



### QUALIFICATION

SR. NO.	DEGREE	UNIVERSITY/COLLEGE	Year of Completion	CLASS
1.	B.E. (CIVIL)	South Gujarat University (S.V.R.C.E.T., Surat)	June, 1990	First Class
2.	M.E. (CIVIL) (WRE)	South Gujarat University (S.V.R.C.E.T., Surat)	January, 1995	First Class
3.	Ph. D. (CIVIL)	S.V. National Institute of Technology, Surat	January, 2013	

**Present Position** : Associate Professor in Civil Engineering, S.V. National Institute of Technology, Surat

Former Dean (Faculty Welfare), Former Associate Dean (Faculty Welfare), Former CPIO (RTI Cell) at SVNIT, Surat

**Experience** : 25 years

Teaching, Research and Various types of Administrative Work

**Discipline** : Civil Engineering

**Area of Interest** : Water Resources Engineering, Surveying, Application of Geospatial Technologies like GIS, GPS and Remote Sensing

❖ **EXPERIENCE:**

Sr. No.	Post Held	Nature of Work	Name of Institute	Duration
1	Adhoc Lecturer	Teaching	Civil Engineering Department, S.V.R.C.E.T., Surat	12/11/'90 to 16/06/'91 i.e. 7 months
2	Adhoc Lecturer	Teaching	Civil Engineering Department, S.V.R.C.E.T., Surat	14/09/'91 to 30/06/'92 i.e. 9 months
3	Lecturer	Teaching	Civil Engineering Department, S.V.R.C.E.T., Surat	17/8/1992 to 16/8/1998
4	Lecturer (Senior Scale)	Teaching and Research	Civil Engineering Department, S.V.R.C.E.T., Surat	17/8/1998 to 16/8/2003
5	Lecturer (Selection Grade)	Teaching and Research	Civil Engineering Department, S.V.R.C.E.T./S.V.N.I.T, Surat	17/8/2003 to 16/8/2006
6	<b>Associate Professor</b>	<b>Teaching and Research</b>	<b>Civil Engineering Department, S.V.N.I.T, Surat</b>	<b>17/8/2006 to till today</b>
7	Visiting Faculty	Teaching	Sarvajanik College of Engineering and Technology, Surat	1995-96, 1996-97
8	Visiting Faculty	Teaching	C.K. Pithawala College of Engineering and Technology, Surat	1997-98
9	Visiting Faculty	Teaching	Government Degree College of Engineering, Surat	2007-08

❖ **ADMINISTRATIVE WORKS [Institute Level]**

Sr. No.	Nature of Work	Duration	Remark
1	Member of College Gymkhana Committee	1995-96 to 2001-02	Worked as a manager of college Football team at Rajpipala in the inter college football tournament during 18/9/'95 to 20/9/'95
2	Member of admission committee of S.V.R.C.E.T., Surat	1998-99, 1999-2000, 2000-01, 2001-02, 2002-03	Visited L.D. College of Engineering and Technology, Ahmedabad during the Admission Work.
3	Controller for Reassessment of Engineering Examination of First year	June/July 1999	
4	Co-coordinator for Centralized Assessment of Engineering Examination of B.E. II year	Dec./Jan. 1999-2000	
5	Factotum for (A.T.K.T.) Engineering Examination	Jan. 2001	
6	Factotum for (A.T.K.T.) and B.E. I Engineering Examination	July 2001	
7	Factotum for B.E. I Engineering Examination	Feb. 2002	
8	Supervisor for the declaration Examination results	Dec.-02/ Jan.-04	

Sr. No.	Nature of Work	Duration	Remark
9	Faculty advisor and the local guardian for the students of B.Tech. – I	2004-05, 05-06, 06-07, 07-08	
10	Member of the committee of “SPARSH” (the cultural programme of the institute)	Sparsh-2005, Sparsh-2006, Sparsh-2011, Sparsh-2012	
11	Member of the Registration Committee of 4 <sup>th</sup> to 8 <sup>th</sup> Convocation		
	Co-coordinator, Registration Committee, 9 <sup>th</sup> Convocation	January, 2012	
	Coordinator (UG), Registration Committee, 10 <sup>th</sup> Convocation	August, 2012	
	Coordinator, Registration Committee, 11 <sup>th</sup> Convocation	October, 2013	
12	Professor In Charge of Drainage System and Water Supply of SVNIT, Surat	April 2006 to Jan. 2008	
13	Member of the committee constituted for the Revision of Pay of faculty in SVNIT, Surat	22/08/2009	Fixation of Pay and re-designation of faculty in SVNIT, Surat as per the 6 <sup>th</sup> CPC rules
14	Member-Secretary of the committee constituted for re-fixing the Pay of faculty in SVNIT, Surat	06/07/2010	Re-fixing the Pay of faculty in SVNIT, Surat who became ineligible for financial upgradation under CAS-2008.
15	Member-Secretary of the committee constituted for anomalies	26/08/2010	Scrutiny of the pending cases of 6 <sup>th</sup> CPC and allied anomalies
16	Member-Secretary of the committee constituted for Cadre-wise seniority of the Institute		Finalizing the Institute level cadre-wise seniority list including Department level cadre-wise seniority
17	Member of the committee constituted for the process for financial up gradation under CAS	03/06/2011	Scrutiny of the cases for financial up gradation under CAS - 2009
18	Member of the committee constituted for the study of the report of Saranghi Committee	28/11/2011	
19	Deputy Presiding Officer for GATE-2012	12/02/2012	
20	Member-Secretary of the committee constituted for the special recruitment drive.	16/02/2012	
21	Member of the committee constituted for the implementation of O.M. No. 10/02/2011-E.III/A dated 19/03/2012 regarding CCS(RP) Rules, 2008	03/04/2012	
22	Member of the committee constituted for the fixation of pay of faculty under the CAS -2010	26/05/2012	
23	Associate Dean (FW)	05/09/2012 to 08/01/2015	
24	Central Public Information Officer (RTI CELL)	03/12/2012 to 08/01/2015	

Sr. No.	Nature of Work	Duration	Remark
25	Member-Secretary of the committee constituted for the allocation of the manpower to the Departments / Sections and Centralized facilities	01/01/2013	
26	Member-Secretary of the Institute level Research Evaluation Committee (ILREC)	07/01/2013	
27	Member-Secretary of the committee for compassionate appointment in the institute	30/03/2013	
28	Chairman - of the scrutiny committee for Teaching Assistant in Dec. 2014	24/11/2014	
29	Dean (Faculty Welfare)	09/01/2015 to 31/01/2017	

❖ **ADMINISTRATIVE WORKS [Department Level]**

Sr. No.	Nature of Work	Duration	Remark
1	2 <sup>nd</sup> In charge of Drawing office of the Department	1994-95	
2	2 <sup>nd</sup> In charge of Water Resources Laboratory	1995-96, 1997-98	
3	2 <sup>nd</sup> In charge of Engineering Geology Laboratory	1996-97. 1997-98	
	In charge of Engineering Geology Laboratory	1998-99 to 2001-02	
4	Member of Timetable committee	2000-01 to 2001-02, 2004-05 to 2007-08	Preparation of Teaching Load Distribution and Time Table
	Coordinator, Work-Load and Time-Table Committee	2008-09 to 2012-13	Preparation of Teaching Load Distribution for UG studies and Preparation and distribution of UG and PG Time Table
5	Worked as a Member Environmental Audit Cell of Department	2001-2002	Visited different Industries.
6	Member Secretary, Departmental Board of Under Graduate Studies	Aug. 2005 to Aug. 2008	
7	Member of organizing committee of Short Term Training Workshop on " Fuzzy set Theory and Fuzzy Logic Application in Civil and Environmental Engineering	8/1/2007 to 13/1/2007	SVNIT, Surat sponsored by TEQIP
8	Member of the Registration Committee for Hydro-2007, a National Conference on Hydrology and Water Resources	21/12/2007 to 22/12/2007	SVNIT, Surat sponsored by TEQIP and ISH, Pune
9	Member of organizing committee of SUTRIMS, a National Conference on Sustainable Urban Transportation: Issues and Management Strategy	28/12/2007 To 29/12/2007	SVNIT, Surat sponsored by TEQIP

Sr. No.	Nature of Work	Duration	Remark
10	Coordinator, Registration Committee for Hydro-2011, a National Conference on Hydrology and Water Resources		SVNIT, Surat sponsored by TEQIP and ISH, Pune
11	Lab I/C Geospatial Technology Laboratory	2008-09 to 2014-15	
12	PG In Charge, Water Resources Engineering, CED	5/9/2013 to 14/8/2015	

#### ❖ SOFTWARE TRAINING

Sr. No.	Software	Place	Duration
1	AutoCAD 2005 - Autodesk Education Solution set (Civil and arch.)	CED, SVRCET, Surat	23/1/2005 to 25/1/2005
2	Introduction to ArcGIS I	CED, SVRCET, Surat	30/5/2005 to 31/5/2005
3	Introduction to ArcGIS II	CED, SVRCET, Surat	20/6/2005 to 22/6/2005.
4	Training Programme on "GIS and its Application in Civil Engineering"	IIT, Delhi	27/11/2007 to 1/12/2007
5	Remote Sensing and GIS Software	Adwins Consultancy Services, Vadodara	16/3/2010 to 20/3/2010

#### ❖ PAPER PUBLICATION

##### [A] International Journal

Sr. No.	Title	Name of Journal	Month and Year of Publication	Remark
1	Preparation of Flood Reduction Plan for Surat City and Surrounding Region (India)	WSEAS Transactions on Fluid Mechanics	Issue 2, Volume 3, April 2008, 116-125	<b>ISSN: 1790-5087</b>
2	Construction of Digital Elevation Model and Contour Map for 2006 Flood At Surat (INDIA)	World Applied Sciences Journal, IDOSI Publications, 2008	Issue 3 Volume 5 January, 2009 318-323	ISSN 1818-4952
3	Improving Carrying Capacity of River Tapi (Surat, India) By Channel Modification	International Journal of Advanced Engineering Technology	IJAET/Vol.II/ Issue II/ April-June, 2011/231-238	E-ISSN 0976-3945
4	Analysis of Rainfall Data and Design Storm Water Drainage System in an Urban Area	International Journal of Global Research Analysis	Volume 2, Issue IV, April 2013/ 15-19	<b>ISSN No. 2277 – 8160 I F 0.2714</b>
5	A comparative Study between Drip Irrigation and Furrow Irrigation for Sugarcane and Banana in Region Navasari	International Journal of Global Research Analysis	Volume 2, Issue IV, April 2013/ 56-59	<b>ISSN No. 2277 – 8160 Impact Factor 0.2714</b>

Sr. No.	Title	Name of Journal	Month and Year of Publication	Remark
6	Flood Mitigation Plan For Surat City (India) Using Geospatial Technologies	Journal of Flood Engineering, International Science Press	Volume 4, Issue 1-2, December 2013, pp 57-75	ISSN 0976-6219
7	Replacement of Sub Minors with Pressurized Irrigation Systems: In Canal Command Area	International Journal of Global Research Analysis	Volume 3, Issue IV, April 2013/ 1-2	ISSN No. 2277 – 8160 Impact Factor 1.5408
8	Study of Water Distribution Pipe Network Using EPANET 2.0	International Journal of Global Research Analysis	Volume 3, Issue IV, April 2013/ 3-5	ISSN No. 2277 – 8160 Impact Factor 1.5408
9	Replacement of Field Channels with Pressurized Irrigation Systems: In SSP Command Area	International Journal of Engineering Research	Issue Special 3 Dec. 2014, pp 96-99	ISSN:2319-6890 (online)

### **[B] International Conference**

Sr. No.	Title	Name of Conference	Month and Year of Publication	Remark
1.	Efficiency of Point Source Drip Emitter with respect to Variation in the pressure in the Main line	International Conference on “New Challenge for Civil Engineers of Developing Countries of 21st Century”, organized by Civil Engineering Department, Jamia, Millia, Islamia and Indian Society for Environmental Management, New Delhi	Feb./March, 1996	Presented and Published
2.	Study of Flood at Surat City and Its Remedial Measures	The 3rd IASME / WSEAS International Conference on Water Resources, Hydraulics & Hydrology (WHH '08), at Cambridge University, Cambridge (U.K.)	Feb. 2008	Presented and Published

### **[C] National Conference**

Sr. No.	Title	Name of Conference	Month and Year of Publication	Remark
1.	Application of GPS in Civil Engineering	National Conference on “Current Trends in Technology”, organized by Institute of Technology, Nirma University of Science and Technology, Ahmedabad	Nov./Dec., 2006	Presented and Published
2.	Preparation of DEM of Surat City in the context of Flood Control	National Conference on “Hydraulics and Water Resources – Hydro-2007”, organized by Indian Society for Hydraulics and S.V.National Institute of Technology, Surat	Dec. 2007	Presented and Published

Sr. No.	Title	Name of Conference	Month and Year of Publication	Remark
3.	Preparation of Flood Inundation Map for Surat City	National Conference on "Hydraulics and Water Resources – Hydro-2008", organized by Indian Society for Hydraulics and Malaviya National Institute of Technology, Jaipur	December 2008	Paper Published
4	Development of Surface Map of Surat City and Its Application in the Flood Control.	National Conference on "Hydraulics and Water Resources – Hydro-2011", organized by Indian Society for Hydraulics and S.V.National Institute of Technology, Surat	December 2011	Presented and Published
5	Comparison Study of EPANET and WATERGEMS Software	National Conference on "Recent Advances in Civil and Structural Engineering, (RACSE-'14)"	25 <sup>th</sup> – 26 <sup>th</sup> April, 2014	Paper Published
6	Design of Pressurized Irrigation Network Systems through Canal at Rampur Village, Gujarat	National Conference on "Recent Advances in Civil and Structural Engineering, (RACSE-'14)"	25 <sup>th</sup> – 26 <sup>th</sup> April, 2014	Paper Published
7	Development of Stage – Discharge Model for Dehli Gauging Station of Kim River using ANN and MLR Technique	National Conference on " Trends and Challenges of Civil Engineering in Today's Transforming World"	29/03/2014	Paper Published

#### ❖ DISSERTATION GUIDED

Sr. No.	Title	Year
1.	Floodway Modeling over a Region of River Tapi using Geospatial Technologies	2007-08
2.	Channel Improvement of River Tapi Using Geospatial Technology	2010-11
3.	Land Use Land Cover Mapping of Adajan Area of Surat City	2011-12
4.	Cropping System Analysis and Deriving its Performance Indices using Remote Sensing and GIS: A Block Level Study of Surat District	2012-13
5.	A Comparative Studies Between Drip Irrigation and Furrow Irrigation For Sugarcane and Banana in a Region Navsari	2012-13
6.	Analysis of Rainfall Data and Design of Storm Water Drainage System in an Urban Area	2012-13
7.	Prediction of Flood using Geographic Information System (GIS)	2013-14
8.	Design of Pressurizes Irrigation Network System Through Canal at Rampur Village	2013-14
9.	Study of Water Distribution Pipe Network For South West Zone of Surat City Using EPANET Software	2013-14
10.	Comparative Study of Land Use Land Cover Mapping of Surat City	2014-15
11.	Assessment of Water Distribution Network of Dhule City using EPANET	2014-15

Sr. No.	Title	Year
12.	Analysis and Redesign of Drinking Water System using Waterjames Software for the East Hill Zone of Calicut City	2015-16
13.	Adoptive Neuro Fuzzy Inference System and Regression Techniques Based Model for Reservoir Interrelationship	2015-16

❖ **PROJECT GUIDED**

**[A] PG Level**

Sr. No.	Title	Year
1.	Evaluation & Development of Drip Irrigation System in Navsari and Surat Region	2004-05
2.	Preparation of Flood Submergence Map of Surat City	2007-08
3.	Optimization of Water Release from Ukai Reservoir	2012-13
4.	Development of Rainfall Forecasting Model: A Case study of Surat City	2012-13
5.	Assessing Benefits Derived Utilizing Narmada Nain Canal Water: A Case Study of Jalore and Barmer Districts	2012-13
6.	Preparation of Digital Elevation Model of Tapi River Bed near Surat City	2013-14
7.	Design and Analysis of Water Distribution Network for Advanced Hydraulics Laboratory at SVNIT, Surat	2013-14
8.	Development of Stage-Discharge Models for Dehli Gayging Station of Kim River using ANN and MLR	2013-14
9.	Design and Analysis of Water Supply Distribution Network	2013-14
10.	Analysis of Water Hammer by Experimental and Theoretical Approach	2014-15
11.	Comparison of Methods for Steady Flow Analysis using Experimental Data and HEC-RAS	2015-16

**[B] UG Level**

Sr. No.	Title	Year
1.	Design of Sewage Treatment Plant	1993-94
2.	Topographic Map of West Zone of Surat City in context of Flood Control	2006-07
3.	Improvement of Tapi Channel In Surat Region for the Control of Flood	2007-08
4.	Rain Water Harvesting	2008-09
5.	Preparation of Flood Water Diversion Plan from river Tapi using Geospatial Technologies	2008-09
6.	Experimental Study of Ground Water Flow	2010-11
7.	Study of Evaporation at Surat City	2011-12
8.	Moderation of Canal System	2012-13
9.	Design of Coastal Highway and Erosion Protection Work along the Sea coast from Surat to Tithal	2013-14
10.	Reliability Assessment of Storm Water Drain Network of Some Selected Area of Surat City	2015-16
11.	Flood Frequency Analysis of River Tapi at Surat City	2016-17



❖ **CONSULTANCY WORK**

Sr. No.	Name of Consultancy	Name of Organization	Amount	Year
1.	Feasibility of Fly-over at Varachha Road, Surat	Surat Municipal Corporation, Surat	Rs.3,50,000/-	1999-2000
2.	Fixing the Latitude and Longitude of given points using GPS	Curve Planner, Designer & Project Consultant, Surat	Rs. 5618/-	2008-09
3.	Preparation of Approximate Submergence Maps of Surat City during Flood for Different Discharges	Centre for Social Studies, Surat	Rs. 22060/-	2009-10
4	Seepage of Water from Canal in perimeter of 200 Yards (Bore well) from Canal	PWD, Surat	Rs. 90,000/-	2012-13
5	Technical Vetting of the Water Supply Scheme for Nearby Villages from Installations in Gandhar Designed By ONGC	ONGC, Ankleshwar	Rs. 95,000/-	2012-13
6	Vertically Test of Doordarshan Tower at Ahmedabad	Prasar Bharti, All India Radio, Vadodara	Rs. 25,000/-	2013-14
7	Providing TPI services for Laying of 1000 mm GRP in SW Zone of SMC	Surat Municipal Corporation, Surat	Rs. 79,800/-	
8	Providing TPI services for Supplying & Laying of 600 mm RCC NP3 pipes in SW Zone of SMC	Surat Municipal Corporation, Surat	Rs. 43,500/-	

❖ **RESEARCH PROJECT**

Sr. No.	Name of Research Project	Name of Organization	Amount	Year
1	Development of Urban Storm Water Management Model and Transportation Planning	Space Application Centre, ISRO, Govt. of India, Ahmedabad	3,00,000/-	2010-11, 2011-12, 2012-13

❖ **WORKSHOP / WINTER SCHOOL ORGANISED**

Sr. No.	Topic	Place/ Duration	Remark
1	Workshop on Updating /Framing /Revision of Syllabi of Subjects (Civil Engineering) at B.Tech. Level	CED, S.V.N.I.T., Surat on 16/9/2007	Worked as a Organizing Secretary
2	AICTE Sponsored Staff Development Programme on “Advances in Water Resources Engineering”	CED, S.V.N.I.T., Surat during 22/12/2008 to 26/12/2008	Worked as a Co-ordinator
3	AICTE Sponsored Staff Development Programme on “Geospatial Technologies and Applications”	CED, S.V.N.I.T., Surat during 11/1/2010 to 15/1/2010	Worked as a Co-ordinator

❖ **EXPERT LECTURE DELIVERED**

Sr. No.	Topic	Event	Place/ Duration
1.	River Flood Modelling using HEC-RAS	AICTE Sponsored Staff Development Programme on “Advances in Water Resources Engineering”	CED, S.V.N.I.T., Surat on 25/12/2008
2.	Preparation of DEM using Arc GIS	AICTE Sponsored Staff Development Programme on “Advances in Water Resources Engineering”	CED, S.V.N.I.T., Surat on 26/12/2008
3.	Flood and Its Remedial Measures: A Case Study of Surat City	Water Resources Day	CED, S.V.N.I.T., Surat on 27/3/2009
4.	GIS Softwares	AICTE Sponsored Summer School for faculty Development on “Advanced Research Techniques in Urban Planning and Management”	CED, S.V.N.I.T., Surat on 16/7/2009
5.	GIS Applications and Software	AICTE Sponsored STTP on “Geotechnology for Infrastructure Development”	AMD, S.V.N.I.T., Surat on 07/01/2010
6.	Application of GIS in Civil Engineering	One Day State Level Seminar on “Application of Geoinformatics In Civil Engineering” (20th December, 2013)	Vadodara Institute of Engineering, Vadodara on 20/12/2013
7.	Application of Geospatial Technology in Ground Water Recharge	AICTE Sponsored National Seminar on “Remedial Measures for Ground Water Depletion and recharge Methodology”	Gujarat Power Engineering and Research Institute, Mewad, Mehsana on 21/12/2013

❖ **PROJECT TOUR**

Sr. No.	Title	Class	Duration
1	Project Tour in the subject of Surveying	B.E. II(C)/ B. Tech.II(C)	1992-93,1993-94,1994-95,1995-96,1996-97 1997-98,1998-99,1999-2000, 2000-01, 2001-02,2002-03,2003-04,2004-05,2005-06 2007-08, 2008-09, 2009-10,2010-11,2011-12, 2012-13
2	Project Tour	B.E. IV (C)/ B. Tech. IV (C)	2003-2004, 2004-05 and 2005-06, 2010-11

❖ **MEMBERSHIP OF PROFESSIONAL BODY**

Sr. No.	Nature of Membership	Professional Body	Membership No.
1	Associate Member	Institution of Engineers (India)	AM/076581/6 076/CI
2	Life Member	Indian Society for Technical Education	LM 16889
3	Life Member	Indian Society for Hydraulics	LM/604
4	Life Member	Association of Hydrologist of India	AHI – LM – 410-702