

## Resume

**Name:- Dr. Hemantkumar S. Goklani**

**Permanent Address:-** “B-301, Madhuvan Campus,  
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**Age: - 42 Years**

**Languages known: -** Sindhi, Gujarati, Hindi, English.

**Marital Status: -** Married

▪ **Academic Qualifications: -**

<b>Examination</b>	<b>Board/University</b>	<b>Month/Year of Passing</b>	<b>% Obtained /CGPA</b>	<b>Class-Division</b>
<b>Ph. D. (Electronics Engineering)</b>	<b>SVNIT, Surat</b>	<b>July 2018</b>	<b>9.67 (CGPA) (Course Work)</b>	<b>First-Dist.</b>
<b>M.Tech. (Electronics Engineering)</b>	<b>SVNIT, Surat</b>	<b>July 2010</b>	<b>9.58 (CGPA)</b>	<b>First-Dist.</b>
<b>B.E. (Electronics and Communication)</b>	<b>North Gujarat University, Patan</b>	<b>May 2003</b>	<b>67.62%</b>	<b>First-Dist.</b>
<b>Diploma (Electronics and Communication)</b>	<b>TEB, Gandhinagar</b>	<b>June 2000</b>	<b>73.87%</b>	<b>First-Dist.</b>
<b>H.S.C.</b>	<b>G.S.E.B, Gandhinagar</b>	<b>March 1997</b>	<b>62.30%</b>	<b>First</b>
<b>S.S.C.</b>	<b>G.S.E.B, Gandhinagar</b>	<b>March 1995</b>	<b>76%</b>	<b>First-Dist.</b>

▪ **Experience Details:**

Name of the post held	From	To	Total Period	Nature of Appointment	Department
(1)	(2)	(3)	(4)	(5)	(6)
Assistant Professor	12/6/2021	Present	1 year 5 months	Permanent	Electronics and Communication Engineering
Assistant Professor	01/03/2019	11/06/2021	2 year 3 months	Contractual	Electronics and Communication Engineering
Assistant Professor	01/01/2006	28/02/2019	13 years 2 months	Permanent	Electronics and Telecommunication Engineering.
Lecturer	01/08/2005	31/12/2005	05 months	Permanent	Electronics and Telecommunication Engineering.
Faculty Member (Adhoc Lecturer)	19/07/2004	31/07/2005	1 year	Adhoc	Electronics and Telecommunication Engineering.

Duties performed/ Experience gained in brief	Place of posting	Nature of work
(7)	(8)	(9)
<p>Head of Electronics and communication engineering department.</p> <p>Exam coordinator.</p> <p>Teaching at U.G. engineering level, Preparing and updating of laboratory manuals, Laboratory development and maintenance, Time Table arrangement, Assist administration in smooth conduct of the examination, Exam duties: Invigilation, paper setting, evaluation and assessment of answer scripts in various university exams.</p>	<p><b>Indian Institute of Information Technology, Surat (IIT, Surat)</b></p>	<p>Lead, manage and develop the department to ensure it achieves the highest possible standards of excellence in all its activities. To oversee the smooth functioning of the department. Promote the visibility of the University both internally and externally.</p>

		Teaching, Supervisory, Examination, and Administrative
Teaching at U.G. engineering level, Preparing and updating of laboratory manuals, Laboratory development and maintenance, Time Table arrangement, Assist administration in smooth conduct of the examination, Exam duties: Invigilation, paper setting, evaluation and assessment of answer scripts in various university exams, External practical/viva examiner at other UG/PG institutes, Project coordinator.	<b>Shri S'ad Vidya Mandal Institute of Technology, Bharuch (SVMIT, Bharuch)</b>	Teaching, Supervisory and Administrative
		Teaching, Supervisory and Research and Developments
		Teaching, Supervisory and Research and Developments

▪ **Total Experience: - More than 18 Years**

▪ **Nature of Job: -**

- Conducting lectures and laboratories at U.G. level.
- Guiding projects and seminars to final year B.E. students.
- Laboratory development and maintenance.
- Member of organizing committee of various technical and cultural events.
- Time Table arrangement.
- Exam related work

▪ **List of Publications: -**

Sr. No.	Title	Conference/Symposium/ Journal	Month Year
1.	Single image super-resolution using coupled dictionary learning and cross domain mapping	Multimedia Tools and Applications, Springer Publication, Vol. 77 (12), pp. 14979-15002, 2018 ( <b>SCI Publication</b> )	Aug 2018
2	A Review on Image Reconstruction Using Compressed Sensing Algorithms: OMP, CoSaMP and NIHT	International Journal of Image, Graphics and Signal Processing(IJIGSP), IJIGSP Vol. 9, No. 8, Aug. 2017	Aug 2017
3	Image Super-Resolution using Multi-Image Multi-Coupled Dictionary Learning	The First IASTED International Conference on Intelligent Systems and Robotics (ISAR), Zurich, Switzerland	Oct 2016

4	Image Super-Resolution using Single Image Semi Coupled Dictionary Learning	International Journal of Image Processing (IJIP), pp.135-144, Volume (10) : Issue (3) : 2016	Jul 2016
5	Image Reconstruction using Orthogonal Matching Pursuit (OMP)Algorithm	2nd IEEE International Conference On Emerging Technology Trends in Electronics, Communication & Networking (ET2ECN-2014), ISBN: 978-1-4799-6985-9	Dec 2014
6	Image Registration Using Mexican-Hat Wavelets and Invariant Moments	Computer Networks and Information Technologies, Second International Conference on Advances in Communication, Network, and Computing, CNC 2011	Mar 2011
7	Image Registration using NSCT and Invariant Moment	International Journal of Image Processing, CSC Journals, Kuala Lumpur, Malaysia, Vol. 4, Issue 2 2010, pp.119-130.	May 2010

▪ **Short Term Training Program Attended:** -

Sr. No	Subject	Place	Month Year	Durati on
1.	Programmable Logic Controller	Sarvajanik College of Engg., Surat.	Jan 2006	One Week
2.	VLSI and Embedded Systems: Designs and Applications	Sarvajanik College of Engg., Surat.	May 2008	One Week
3.	Recent Trends in Power Electronics	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat	July 2008	One Week
4.	Nanotechnology and Applications	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat	July 2009	One Week
5.	Teaching with Matlab and Simulink	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat	Dec 2009	One Week
6	Cadence-OrCAD EDA Technology	Sarvajanik College of Engg. Surat.	Oct 2010	One Day
7	Introduction to MATLAB and Matrox Imaging Library (MIL) with Emphasis on hands on practice (WMMIL'11)	SMVDU, Katra	Dec 2011	Two Weeks
8	Workshop on Image Processing	SVNIT, Surat	Mar 2012	Two Days

9	Patent Search Methodology	SVMIT, Bharuch	Oct 2012	One Day
10	Computing for Image Analysis (CIA-2013)	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat	June 2013	One Week
11	Workshop on Embedded System & Microcontroller	SVMIT, Bharuch	July 2013	One Day
12	Signals and Systems	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat	Jan 2014	Two Weeks
13	Robo-Zest'15	SVMIT, Bharuch	Sept 2014	Two Days
14	International Workshop on Big Data Analytics	Virtual platform	May 2020	Three Days

▪ **Subjects Taught:** -

- Digital Signal Processing
- Digital Logic Design
- Signals and Systems
- Digital Image Processing
- Introduction to Machine Learning
- Electronic Communication
- Digital Communication
- Internet of Things

▪ **Areas of Interest:** -

- Digital image processing,
- Digital signal processing
- Internet of Things

▪ **Membership of Technical Institutions:** -

- The Indian Society for Technical Education (ISTE)
- Institute of Electronics, Information and Communication Engineers (IEICE), Japan