

## RESUME



**Name in Full:** Dr. Jignesh N. Sarvaiya

### **Contact Information:**

Electronics Engineering Department,

Sardar Vallabhbhai National Institute of Technology (SVNIT)-Surat, Gujarat 395007, India

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**Present position:** Associate Professor, ECED, SVNIT-Surat

**Teaching Experience:** 22 Years (Joining Date:01/01/1998)

### **Professional Qualifications:**

- Ph. D., Department of Electronics Engineering, S V National Institute of Technology Surat-7, January 2013
- M.Tech. (Bio-Medical Engineering), Indian Institute of Technology Bombay, July 2006
- B.E. Electronics, S. V. R. College of Engg. and Tech, Surat (REC, Surat), July 1996

**Research Interest:** Signal & Image Processing, Deep Learning, Medical Instrumentation, Analog Circuits, Information Theory.

**Ph. D. Thesis Title:** Efficient Feature Extraction Techniques for Image Registration.

### **Professional Experience:**

- Head, Electronics Engineering Department, S. V. National Institute of Technology, Surat, from 06/06/2016 to 06/02/2019.
- I/c Head, ECE Department, IIIT, Surat (From July 2017).
- Associate Dean(FW), SVNIT-Surat from 09/05/2015 to 05/06/2016.
- Chairman Finance & S W Committee at SVNIT from 12/11/2014 to 11/09/2017.
- Dy. Centre Incharge, CCMT 2015 for M.Tech. Admission Committee.
- Co-chairman, Institute Level B.Tech. Admission Committee.
- PG Incharge (June 2009 to March 2013).
- On deputation for M.Tech. under QIP at IIT Bombay, July 2004 - July 2006.
- Senior Lecturer, Electronics Engineering Department, SVNIT-Surat. 01/01/2004 to 31/12/2008
- Senior Lecturer, Electronics Engineering Department, S. V. Regional College of Engineering & Technology, (REC-SURAT) Surat. 01/01/2004 to 31/12/2008.
- Lecturer, Electronics Engineering Department, S. V. Regional College of Engineering & Technology, (REC-SURAT) Surat. 01/01/1998 to 31/12/2003.
- Graduate Engineer Trainee at Surat Beverages Co Ltd., Sachin, Surat (April-1997 to Dec.1997).
- Worked as a Vice-Chair IEEE SPS chapter Gujarat Section for three years.

## Worked on Externally sponsored R & D projects

Sr. No.	Name of the project	Starting Year	Completed Year
1.	Design and Development of Co-Planar Waveguide based Wearable Bio-Sensor for Medical Application" Funding Agency: Department of Bio-Technology, Govt. of India Amount: 17.69 lakhs Duration: 5 Years (March 2020-2022) Dr. P N Patel, Dr. J N Sarvaiya	2020	Ongoing
2.	FPGA Based Adaptive Filter Implementation for Noise Cancellation Dr. A D Darji, Dr. J N Sarvaiya	2015	2018
3.	Fabrication and Characterization Porous Silicon and its Application as an Optical Biosensor Device. Dr. V. Mishra, Dr. P N Patel, Dr. J N Sarvaiya	2011	2015

## Patent Detail:

Sr No	Name of the faculty	Title/Area	Where accepted/filed	Date of Acceptance	Date of Filed	Patent No.
1.	Dr. J. N. Sarvaiya , Prashant Kumar Pandey, Dhaval Vora	Method for compression using variable entropy method	The Patent Office, GOI, Mumbai	Under Review	14/5/2015	1893/MUM/201 5 A ISSUE NO. 21/2015 Under Examination

## **Achievement Award:**

Session best Paper Award in ISEM Society's International Conference in Electronics, Bio-Medical Engineering & its applications (ICEBEA-2011), during July 08-09, 2011 at Bangkok.

## **Research Publications:**

Paper Published from M.Tech.(Biomedical Engineering) work at IIT, Bomaby.

- J N Sarvaiya, Prof. P C Pandey, V K. Pandey, An Impedance Detector for Glottography, IETE Journal of Research, pp.100-105, Vol.55 No. 3, 2009, **SCI Index**.
- V. K Pandey, Prof. P C Pandey, J N Sarvaiya, Impedance Simulator for Testing of Instruments for Bioimpedance Sensing, IETE Journal of Research Vol.54, No.3, pp203-207, 2008, **SCI Index**.

## **International Journal:**

- Shashi Ranjan, Jignesh N Sarvaiya, Jigisha N Patel, "Integrating Spectral and Spatial Features for Hyperspectral Image Classification with a Modified Composite Kernel Framework", PFG – Journal of Photogrammetry, Remote Sensing and Geoinformation Science (Accepted), September 2019, **SCIE Index**.
- S. Sruthi, Rasika Dhavse, Jignesh N. Sarvaiya , "Precise, portable and wide band alternating current source for extremely low current values" Analog Integrated Circuits and Signal Processing, Springer, Published 25<sup>th</sup> Feb 2019, **SCI Index**.
- Hemant S Goklani, Jignesh N Sarvaiya, S. Kula, "Single image super-resolution using coupled dictionary learning and cross domain mapping", Multimedia Tools and Applications, Springer, pp. 1-24, 2017, **SCIE Index**.

- Sarosh K. Dastoor, Upena Dalal, Jignesh Sarvaiya, “Cellular planning for next generation wireless mobile network using novel energy efficient CoMP”, The Journal of Networks, Software Tools and Applications, Cluster Computing, pp.1-13, Springer Us, February 2018, **SCIE Index**.
- Ketki C. Pathak, Jignesh N. Sarvaiya, Anand D. Darji and Pooja Panchal,” Selection criteria of measurement matrix for compressive sensing based medical imagerReconstruction,” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Vol.8, Issue-6S3, April 2019, **Scopus Indexed**.
- Ketki C. Pathak, Jignesh N. Sarvaiya, Anand D. Darji and Pooja Panchal, “Modified Boundary Matching Algorithm for Error Detection and Error Concealment for Video Communication,” International Journal of Innovative Technology and Exploring Engineering (IJITEE) for Vol.8 Issue-10, August 2019, **Scopus Indexed**.
- Kartikey Thakar, Divyang Kapadia, Fenil Natali, Jignesh Sarvaiya, Implementation and analysis of template matching for image registration on DevKit-8500D, Optik, International Journal for Light and Electron Optics, ELSEVIER, Vol. 130, Pages 935–944, Elsevier, 2017, **SCI Index**.
- J N Sarvaiya, Prof. P C Pandey, V K. Pandey, An Impedance Detector for Glottography, IETE Journal of Research, pp.100-105, Vol.55 No. 3, 2009, **SCI Index**.
- V. K Pandey, Prof. P C Pandey, J N Sarvaiya, Impedance Simulator for Testing of Instruments for Bioimpedance Sensing, IETE Journal of Research Vol.54, No.3, pp203-207, 2008, **SCI Index**.
- Hemant S Goklani, Jignesh N Sarvaiya, Fahad Abdul, A Review on Image reconstruction using compressed Sensing Algorithms: OMP, CoSaMP and NIHT, I.J. Image, Graphics and Signal Processing, 2017, 8, pp.30-41, August 2017.
- Jerin Jose, J N Sarvaiya, Mrs. J.N. Patel, Dr. S.Patnaik, Sourcs Rate Distortion Perfomance Comparision for Different Constraints in image coding using Learned Global Dictionary, European Journal of Scientific Research, Impact Factor: 0.713 2014.
- J N Sarvaiya, Dr. S.Patnaik, “Image Registration Using Log Polar Transform and Phase Correlation to Recover Higher Scale”, Journal on Pattern Recognition Research (JPRR), pp. 90-105, Vol.7 No.1 3, Feb 2012.
- J N Sarvaiya, Dr. S.Patnaik, “Automatic Image Registration Using Mexican Hat Wavelet, Invariant Moment, and Radon Transform”, International Journal of Advanced Computer Science and Applications, Special Issue on Image Processing and Analysis, pp.75-84 Issue No.1, DOI 10.14569/issn.2156-5570, June 2011
- J N Sarvaiya, Hemant Goklani, Dr. S Patnaik, “Image Registration Using NSCT and Invariant Moments”, International Journal of Image Processing, CSC Journals, Kuala Lumpur, Malaysia, ISSN (Online): 1985-2304, May 2010
- N. B Kanirkar, J N Sarvaiya, “BER VS SNR Performance Comparison of DSSS-CDMA FPGA Based Hardware With AWGN, Spreading Codes & Code Modulation Techniques”, International Journal of Engineering Research And Industrial Applications, Vol. 1, No. 2, pp.155-168, August, 2009
- N. B. Kanirkar, J N Sarvaiya, “Performance Evaluation of Direct Sequence Spread Spectrum CDMA Transceiver Hardware using Pseudo Code And Code Modulation Techniques”, International Journal of Engineering Research & Industrial Application (IJERIA)Vol.: 2, No.: II, 2009, pp : 01-13 , March 2009
- N. B. Kanirkar, J N Sarvaiya, “Performance Evaluation of Direct Sequence Spread Spectrum of CDMA Technology with AWGN Channel using MATLAB/Simulink”, International Journal of Engineering and Technology, pp. 11-20 Vol. 1, No.2, Dec. 2008 December, 2008.

#### **International Conference:**

- Ketki C. Pathak, Dr J N Sarvaiya, Dr. A D Darji , “Lossless Medical Image Compression Using Transform Domain Adaptive Prediction for Telemedicine”, WISPNET -2017 Conference, pp. 1052-1057, 22-25, March, 2017, Chennai.
- Dr U.D.Dalal. Dr J.N sarvaiya, Saros Dastoor. “Comparative Analysis of Optimization Techniques for Optimizing the Radio Network Parameters of Next Generation Wireless Mobile Communication”, Fourteenth International Conference on Wireless and Optical Communications Networks (WOCN2017), Thakur College of Engineering and Technology (TCET), Mumbai University, 24th , - 26th of Feb 2017.

- Dr.U.D.Dalal. J N sarvaiya Saros Dastoor. “Issues, Solutions and Radio Network Optimization for the Next Generation Heterogeneous Cellular Network—A Review”, International Conference on Wireless Communications Signal Processing and Networking (WISPNET 2017), Chennai, India, 22 - 24 March 2017
- Dr.U.D.Dalal. Dr J.N sarvaiya , Saros Dastoor “Efficient Dimensioning and Deployment criteria for Next Generation Wireless Mobile Network” 2nd International Conference on Information and Communication Technology for Intelligent Systems, Springer SIST Series: 25-26 March 2017.
- Hemant S. Goklani, Ms.Shravya S., J. N. Sarvaiya, “Image Super-resolution using Multi Image Multi-coupled Dictionary Learning”, The First IASTED International Conference on Intelligent Systems and Robotics ISAR 2016, Zurich, Switzerland, 6-8 Oct 2016
- Ms. Ankita N Chadha, Prof. M.A .Zaveri, J. N. Sarvaiya, “Isolated Word Recognition using Neural Network for Disordered Speech”, The Third IASTED International Conference on Telehealth and Assistive Technology, ~TAT 2016,Zurich, Switzerland, DOI: 10.2316/P.2016.846-005 , 6-8 Oct 2016
- J N Sarvaiya, Prof. S. Patnaik, Hemant Golkani, “Automatic Feature Extraction Technique for Image Registration, 3rd International Conference on Information Technology and Science (ICITS 2015), Thailand, ISSN: 1793-8201, 28-29 March 2015.
- J N Sarvaiya, Dr. Suprava Patnaik, Alpesh Dobariya, “Interactive Image Registration Using Active Contour and Radon Transform”, The IASTEAD International Conference on Computational Photography-(Cphoto-2011) Vancouver, BC, Canada, July 1-3, 2011.
- J N Sarvaiya, Dr. Suprava Patnaik, Hemant Goklani, “Feature Based Image Registration Using Hough Transform”, International Conference on Electrical, Computer, Electronics & Biomedical Engineering (ICECEBE'2011), Bangkok, Thailand. July 8-9, 2011.
- J N Sarvaiya, Dr. Suprava Patnaik, Hemant Goklani, “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, Bangalore, India, Proceedings Available Online on Springer Verlag, pp.574-577 , March 10-11, 2011.
- J N Sarvaiya, Neeta Chatatwala, “Different Speed Optimizations For MPEG AAC Encoder”, International Conference on Advances in Computer Engineering, Bangalore, INDIA. June21-22, 2010.
- J N Sarvaiya, Salman Bombaywala, “Image Registration By Template Matching Using Normalized Cross- Correlation”, International Conference on Advances in Computing, Control, and Telecomm. Technologies, Association of Computer, Electronics and Electrical Engineers Trivandrum, Kerala, India pp.819-822, December 28-29, 2009
- J N Sarvaiya, Salman Bombaywala, Suprava Patnaik, “Image Registration Using Log-Polar Transform and Phase Correlation”, International Technical Conference of IEEE Region 10, TENCON2009, IEEE Singapore Section, Singapore, November 23-26, 2009.
- J N Sarvaiya, Dr. Suprava Patnaik, “Automated Hybrid Temporal Image registration using random transform”, The Eleventh IASTED International Conference on Signal and Image Processing, Honolulu, Hawaii, USA, pp.90-94 , August 17-19, 2009.
- J N Sarvaiya, Salman Bombaywala, “Temporal Image Registration Using GCPs and Bivariate Polynomial Estimation”, The Eleventh IASTED International Conference on Signal and Image Processing, Honolulu, Hawaii, USA. pp.95-100 , August 17-19, 2009.
- Neeta Chatatwala, J N Sarvaiya, “Real Time Implementation of LPC-10 Coder Using TMS320C6713”, International Conference on Communication Computers and Instrumentation at Vivekanand Education Society’s Institute of technology, Chemnur, Mumbai, India, pp. 147-151, Jan 2-3, 2009.
- Praneeth B., J N Sarvaiya, Neetam Desai, “Design of RF Front End Transceiver for low data rate communication”, International Conference on Communication Computers and Instrumentation at Vivekanand Education Society’s Institute of technology, Chemnur, Mumbai, India, pp. 152-155, Jan 2-3, 2009.

#### **National Conference:**

- J N Sarvaiya, “Comparison of MIMO Channel Capacity with various Wireless Channel models”, National conference on Technological Innovation, BRCM College of Engg. & Tech, Bhiwani, Haryana, pp. 262-264, Vol 1 , October, 11-12, 2008

- Praneeth B., J N Sarvaiya, "A 0.25 $\mu$ m CMOS LNA DESIGN for 2.4GHz Application", Second National Conference Second National Conference Technologies-2008, NCCT'08, Mepco Schlenk Engineering College, Sivakasi, pp. 295-298 , March 14-15, 2008
- Vishaka , J N Sarvaiya, "Code Excited Linear Predictive Coder at 8.5 kbps and 7.2 kbps", National Conference on Advanced Communication Techniques-2008, A.C.College of Engineering & Tech., Karaikudi, pp.51, Vol. 1, March,9, 2008
- Vishaka Gor, J N Sarvaiya ; "Psychoacoustic Model for MPEG Advanced Audio Coding (AAC)" ; National Conference on "Current Trends In Technology ; 338-342 ; Nirma Institute of Technology, Ahmedabad, Electronics Engg. Dept. ; November 27-29.
- Vishaka Gor, J N Sarvaiya ; "Computationally Efficient Psychoacoustic Model for MPEG Advanced Audio Coding (AAC)";National Conference on "Advancements in Wireless Technologies & Applications (AWTA-08)"; 105-110, ; Electronics Engg. Dept., SVNIT, Surat; December 18-19.
- J N Sarvaiya, Convolution Coded OFDM - Performance Analysis Includes Interleaver For Different Code Rate, National Conference on Advanced Communication Techniques-2008, A. C.College of Engineering & Tech., Karaikudi, pp.45, Vol 1 , March,9, 2008
- J N Patel, J N Sarvaiya ; "Convolution Coded OFDM - Performance Analysis Includes Interleaver for Different Code Rate" ; National Conference on Advanced Communication Techniques-2008, NCACT'08 ; A.C.College of Engineering & Tech. Karaikudi, 2008.

### **Ph.D Student Supervisor:**

<b>Sr No</b>	<b>Roll No</b>	<b>Name of Students</b>	<b>Admission Year / Viva Date</b>	<b>Title</b>	<b>Supervisors</b>
1.	D13EC002	Hemant Goklani <b>(Completed)</b>	23/07/2013	Image Super Resolution Using Multi Coupled Dictionary Learning	Dr. J. N. Sarvaiya
2.	DS09EC902	Amit Joshi <b>(Completed)</b>	Dec 2009- 27/07/2015	VLSI Implementation of Video Watermarking Based on H.264 Coding Standard	Dr. U. D. Dalal Dr. J. N. Sarvaiya
3.	DS11EC003	Surabhi Dwivedi <b>(Completed)</b>	05/01/2012- 18/12/2016	Design and Development of Metamaterial-Based Radome Structures for Space-Borne Communications	Dr. J. N. Sarvaiya
4.	D14EC007	Pathak Ketki (Ongoing)	16/07/2014	Intra Prediction Coding For Bio-Medical Application	Dr. J. N. Sarvaiya Dr A.D.Darji
5.	DS14EC006	Sarosh Dastoor (Ongoing)	15/01/2015	Wireless Communication and Radio Network Design	Dr. (Mrs). U. D. Dalal Dr. J. N. Sarvaiya
6.	D16EC003	Sruthi S. (Ongoing)	18/07/2016	Bio Impedance Measurement	Dr. R. N. Dhavse Dr. J. N. Sarvaiya
7.	D16EC004	Lakhlani Avni (Ongoing)	18/07/2016	Video Surveillance	Dr. J. N. Sarvaiya Dr. J. N. Patel
8.	D19EC003	Barreto Febian Tommy Rose	22/07/2019	Deep Learning	Dr. J. N. Sarvaiya
9.	D19EC004	Gajraj Singh	22/07/2019	Deep Learning	Dr A.D.Darji Dr. J. N. Sarvaiya

**M Tech Dissertation Guided:**

<b>SR. No.</b>	<b>Title of the Dissertation</b>	<b>Academic session</b>
1.	Image Registration using Active Contour and Radon Transform	2016-2017
2.	Image Super Resolution using Multi-Coupled Dictionary Learning	2015-2016
3.	Cross Domain Synthesis and Recognition using coupled Dictionary and Feature Space Learning	2014-2015
4.	Cross Style Image Synthesis using Semi-Coupled Dictionary Learning	2014-2015
5.	Development of Host Test-Framework and its Verification	2014-2015
6.	Asynchronous FIFO Design and Challenges	2014-2015
7.	Sparse Coding Using Content Specific Over complete Dictionaries for Still Image Compression and Transmission over Noisy Channel	2013-2014
8.	Performance Evaluation of Compressed Sensing Algorithms on Image Reconstruction and its Application	2013-2014
9.	Implementation of Face Detection Algorithm	2013-2014
10.	An Efficient VLSI Architecture for Video Capsule Endoscopy	2012-2013
11.	Hybrid Approach of Image Stitching Using Normalized Gradient Correlation and Harris Corner Detector	2012-2013
12.	3-D Modeling from 2-D Images	2011-2012
13.	Implementation of Feature Based Image Registration Algorithm Using Log polar Transform, Hough Transform and Mexican Hat Wavelet	2010-2011
14.	Development of Control System for SST-1 Thomson Scattering Experiment	2010-2011
15.	Image Registration using Wavelet Transform and Contourlet Transform	2009-2010
16.	Image Mosaicing Based on Optical Flow Metric	2009-2010
17.	Implementation of MPEG Advanced Audio Coding Encoder	2008-2009
18.	Image Registration Using Various Techniques	2008-2009
19.	Design of RF front end transceiver for low data rate communication	2008-2009

**Expert Lecturers Delivered:**

<b>Sr. No.</b>	<b>Title of the Lecture</b>	<b>Place</b>	<b>Date</b>	<b>Event</b>
1.	Analog Modulation Scheme	Valia Institute of Technology, Bharuch	January 2008	Lecture Series on Communication System
2.	Switching Mode Power Supply	Valia Institute of Technology, Bharuch	January 2008	Lecture Series on Electronics System Design
3.	Fundamental Digital Circuits for VLSI.	ISF organized at SVNIT, Surat	18-19 Sept'10	Workshop on VHDL

4.	Introduction to MATLAB and Image processing Application (Including practice session)	ISF organized at ECED SVNIT, Surat	26-27 March 2011	Two days workshop on MATLAB
5.	Image Registration Techniques	Parul Institute of Technology, Vadodara	26 July 2013	Key Note Speaker in STTP
6.	Image Registration using Mexican Hat Wavelet Transform and Zernike moments.	Merchant Charitable Trust, Basna, Mehsana	21/03/2014	1st International Conference on Contemporary Issues in Engineering & Technology (ICCIET2014)
7.	Image processing & its application	SVNIT, CRC Seminar Hall	2014	Short Term Training Programme
8.	Image Registration	GCET, Vidhyanagar	17/10/2015	Short Term Training Programme
9.	Feature Extraction Techniques	Institute of Plasma Research, Gandhinagar	05/11/2015	Ph.D. Orientation and Research Meet
10.	Image Processing and its applications	SVNIT-SURAT	ONE WEEK	Workshop on High Computing
11.	Theory & Lab Analog and Digital Electronics	ECED, SVNIT	07/02/2017 to 14/02/2017	Training cum Workshop for Supervisors and Technicians of Indian Railways For Upgrading Their Skills
12.	Image processing Laboratory using MATLAB	ECED Seminar Hall	13 <sup>th</sup> Sept.,2016	One Week Short Term Training Program on Emerging Trends In Signal And Image Processing

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

Sr No	Type	Title	Duration	Venue	Duty	Sponsor
1.	Workshop	National level 2 days workshop on VLSI System Design	28 Feb, 2009- 01 March, 2009	ECED, SVNIT	Coordinator	SMDP-II
2.	National Conference	National Conference on Advancements in Wireless Technologies and Applications	18 Dec 2008- 19 Dec 2008	SVNIT	Organizing Committee Member	AICTE, DST, CSIR

3.	Short Term Training Program	Teaching with MATLAB and SIMULINK	21 Dec, 2009- 25 Dec, 2009	SVNIT	Coordinator	AICTE
4.	International Conference	1st International Conference On Emerging Technology Trends in Electronics, Communication & Networking	19 Dec, 2012- 21 Dec, 2012	SVNIT	Convener Dr. U. D. Dalal Coordinators Dr. V. Mishra Prof. N. Kanirkar Dr. J. N. Sarvaiya	DST
5.	Workshop	3-Days Workshop on Computing for Image Analysis	6 <sup>th</sup> June 2013-8 <sup>th</sup> June 2013	SVNIT	Coordinator Dr J.N sarvaiya Co-cordinators: Mrs. J. N. Patel Mr. M. C. Patel	TEQIP-II
6.	Workshop	10 Days Workshop on Signals and Systems	2 <sup>nd</sup> Jan 2014-12 <sup>nd</sup> Jan 2014	SVNIT	Remote Center Coordinator	Electronics Engg. Dept., NMEICT live from IIT, Kharagpur
7.	International Conference	2 <sup>nd</sup> International Conference on Emerging Technology Trends in Electronics, Communication and Networking	December 26- 27, 2014	ECED, SVNIT	Dr. VMishra Dr U.D Dalal, Dr. J N Sarvaiya	TEQIP-II
8.	Short Term Training Program	Wireless and Optical Communications	24-31 June 2013	ECED, SVNIT	Dr. V. Mishra Dr. P. N. Patel Mr. A. Mandloi Mrs. S. Gupta Dr. J N Sarvaiya	TEQIP-II
9.	National Seminar	Two Days National Seminar , "New Trends in Signal Processing (NeTSiP-2015)"	3rd and 4th October 2015	DA-IICT, Gandhinagar, Gujarat (India).	Organizing Chair	IEEE Gujarat section, IEEE signal processing society
10.	Short Term Training Program	Emerging Trends in Signal and Image Processing (ETSiP-2016)	13-17 September, 2016	ECED, SVNIT	Dr. J N. Sarvaiya Prof. P K. Shah Dr. A D. Darji	TEQIP-II
11.	National Seminar	New Trends in Signal Processing (NETSIP-2016)	20-21th oct,2016	Jointly Organized by SVNIT, SCET	Co-ordinator	TEQIP-II, IEEE Gujarat section, IEEE signal processing society
12.	Finishing School	Machine Learning using OpenCV and Python	18-19th March, 2017	SVNIT	Dr. K.P.Upla, Dr J N Sarvaiya	TEQIP-II



13.	Seminar	Cyber Security for Youth	12/11/2016	SVNIT	Dr. Shilpi Gupta, Dr. R N Dhavse, Dr. U D Dalal, Dr. P N Patel, Dr. J N Sarvaiya	IETE Surat Sub enter
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**Conference/ Workshop / Seminar / Short Courses etc. Attended:**

Sr No	Type	Title	Place	Duration
1.	Workshop	Engineering Research Methodology & Developing Wining Proposals	EQUATE, New Delhi	09-11/06/2014
2.	STTP	Image Processing Techniques with Multidisciplinary Applications	IIT,ROORKEE	March 3-7, 2014
3.	Workshop	Latest Trends in Administration	GOA	21 <sup>st</sup> -23 Sept, 2015
4.	STTP	Information Theory and Channel Capacity	Bharti School of Telecom Technology and Management, IIT Delhi.	14-19 December, 2015
5.	Workshop	Latest Trend in Administration Including Recruitment Policy, Seniority, APAR, DPC & etc.	Society for Economic Research & Training, New Delhi	21-23/09/2015
6.	Workshop	Outcome Based Education (OBE)'	MED, SVNIT, Surat	24 <sup>th</sup> Feb,2016
7.	Faculty Development Program	Outcome Based Teaching-Learning	SVNIT, Surat	3 <sup>rd</sup> to 5 <sup>th</sup> June 2016

**Books Reviewed:**

Sr. No.	Name of Book(s)	Authors	Publisher
1.	Digital Image Processing	S Jayraman, S E sakkirajan & T Veerkumar	McGraw-Hill
2.	Information Theory, Coding and Cryptography	Ranjan Bose	McGraw-Hill
3.	New Script on Electronic Principles	Malvino	McGraw-Hill
4.	Electronic Principles	Malvino	McGraw-Hill

**PH.D Thesis Reviewed:**

- Ph.D Thesis Evolution 10th Feb, 2016 at KADI Sarva vishwavidyalaya, Gandhinagar.
- Dr. J. N. Sarvaiya has conducted final Ph.D Viva-voce examination at Nirma University, Ahemdabad on 22/02/2017.

**Membership of Technical Societies:**

<b>Sr. No.</b>	<b>Name of Association / Society</b>	<b>Category</b>	<b>Membership No.</b>
1.	ISTE	Life Member	M-209753
2.	IJERIA	Life member	LM-2223
3.	IEEE	Senior Member	91128004

**Dr J.N Sarvaiya**  
**ECED, SVNIT, Surat**