

1. Name : Varsha Ajit Shah
2. Date of Birth : 16-07-1963
3. Highest Qualifications : Ph. D.
4. Academic Qualification :

Degree/Diploma	Division/Grade	Year	Specialization	Name of Institute
S. S. C.	First Class	1978	--	GSB
H. S. C.	First Class	1980	--	GHSB
B. E./B. Tech.	First Class with Distinction	1986	Electrical Engineering	M.S.U Baroda
M.E./M. Tech.	First Class with Distinction	1990	Power System	SVRCET Surat
Ph. D.		2013	Hybrid electric vehicle	SVNIT Surat
Any Other				

5. Present Designation : Associate Professor

6. Achievements since date of joining:

- No. of Publications :
- a. International Journals : 04
 - b. National Journals : 04
 - c. International Conference : 09
 - d. National Conference : 06

International Journals

Sr. No.	Paper	Presented at	During
1	Simple method to characterise supercapacitor by laboratory equipments.	International journal of computer application in engineering Technology ,and sciences,Volume - 3,issue-2	May-11
2	Measurement of Real Time Drive Cycle for Indian Roads and Estimation of Component Sizing For HEV Using LABVIEW	International journal of Science, Engineering and Technology, World Academy of Science, Engineering and Technology, Issue 58.	Oct. 2011
3	Single Interrupt Based Commutation Technique and Regenerative Braking of PMSM Motor for Electric Vehicle.	International Journal of Vehicle Structures & Systems, vol.4, issue 1,	2012
4	Improved Method for characterization of Ultracapacitor by Constant Current Charging method for HEV	International Journal of Modeling and optimization, Vol.2, No. 3,	Jun-12

National Journal

Sr. No.	Paper	Presented at	During
1	Suppression of high-frequency disturbances in low-voltage circuits caused by vacume circuit breaker operation in medium- voltage indoor sub-satiation	The journal of CPRI Volume-7, issue-1	Mar-11
2	Performance improvement in AC -Drives in plate shearing line at still plant	The journal of CPRI Volume-8, issue-3	Sep-12
3	IEC61850 Standards and it's Impact on Protection and Control schemes with in Power Sub-Stations	The journal of CPRI Volume-8, issue-4	Dec-12
4	Power Factor Improvement in the Steel Plant with Advanced AC Drive System	The journal of CPRI Volume-8, issue-4	Dec-12

International Conference

Sr. No	Paper	Presented at	During
1.	Control Techniques for Improvement of Input Power Factor in AC-DC Converters	International Conference on Power System Analysis, PSACO- 2008 Andhra University	March 13-15,2008
2.	“An Energy Management System for Battery Ultracapacitor Hybrid Electric Vehicle.”	IEEE International Conference on Industrial and Information Systems (ICIIS 2009), Srilanka.	December 28-31, 2009
3.	Extracting maximum power from photo-voltaic power generator with unlike PWM pulses	IEEE International Conference on Industrial and Information Systems (ICIIS 2009), Srilanka	December 28-31, 2009
4.	Improved Method for Characterization of Ultracapacitor by Constant Current Charging	International Conference on Modelling, Simulation and Control (ICMSC 2010) at Cairo, Egypt	November 2-4, 2010,
5.	A Novel DC-DC Converter for Battery-UC Hybrid Energy Storage Device Using Hybrid Control Algorithm	3rd International Conference on Computer & Electrical Engineering (ICCEE 2010) Chengdu, China	November 16 - 18, 2010
6.	Hybrid Control Algorithm For Battery Ultracapacitor Dc-Dc Converter In HEV	International Conference on Power, Control and Embedded Systems (ICPC E S -2010)	Nov 28 – Dec 1, 2010.
7.	“Performance Analysis of Hybrid Energy Storage System Using Hybrid Control Algorithm with BLDC Motor Driving a Vehicle.”	IEEE 2010 Joint International Conference on Power Electronics, Drives and Energy Systems & 2010 Power India	December 20-23, 2010.
8.	Enhanced energy performance in steel plant with advance AC drive system	International Conference on "Advances in Energy Research" (ICAER) in IIT Mumbai	9th -11th Dec. 2011.
9	Design and control of hybrid power supply for HEV	27 th electrical vechicle symposium (EVS27) at Barcelona, Spain	17 th -20 th Nov 2013

National Conference

Sr. No.	Paper	Presented at	During
1	Switching circuit for study transformer inrush	All India seminar on Digital protection of power apparatus and systems, IIT, Kanpur	11-12 March 1994
2.	Review of Ultracapacitor Technology & its Applications.	15th NPSC- 2008, IIT Bombay, India.	December, 2008
3.	Voltage Dips and Short Interruption Immunity Test Generator As per IEC 61000 – 4 – 11	15th NPSC- 2008, IIT Bombay, India.	December, 2008
4	Online measurement and correction of Power Factor for non linear load to improve power quality on utility side.	National conference on recent trends and emerging technologies in electrical and electronics engineering, SPARKS '2005 at Park college op engineering and technology Coimbatore.	22-23 Sept. 2005
5.	Microprocessor based controlled switching of 1-KVA laboratory transformer for studying magnetizing inrush	National conference on recent trends and emerging technologies in electrical and electronics engineering, SPARKS '2005 at Park college op engineering and technology Coimbatore.	22-23 Sept. 2005
6	A recent trends on different control method of AC Induction Motor	National conference RTIEE12, SVNIT, Surat	March 2012

Conference/Seminars Attended:

Sr. No.	Conference /Seminars	Organized By	Sponsor	During	Day	Weeks
1.	Adaptive signals and image processing	I.I.T, Bombay	I.I.T, Bombay	13th to 18th July, 1992	06	01
2.	Digital protection of power apparatus and systems	IIT, Kanpur	self	11-12 March 1994	02	
3.	Applications of power electronics	M.B.N College Jodhpur	AICT	18th Dec 1993 to 1st Jan 1994	15	02
4.	Refresher course in electronics	Sardar patel university vallabh vidhya nagar	UGC	26 Dec -1994 to 13 Jan 1995	19	03
5.	16 Bit microprocessor and its applications	M A C T, Bhopal	AICT	05th to 17th June, 1995	13	02
6.	Work shop on guidance and counseling	ISTE Surat Chapter and SVRCET	ISTE	11Nov 1995	01	
7.	Micro computer controlled A.C Drives	University of Rorekee	ISTE	19th June to 03 rd July 1997	15	02
8.	Incremental Motion Control Systems	Cummins college of engg. for women, Pune	ISTE	14th to 19th Dec, 1998	06	01
9.	Work shop on advance microcontroller	Faculty of technology and Engineering, MSU, Baroda	ISTE	21st Dec to 25 Dec 1998	05	01

10.	Work shop on Biomedical Instrumentation	University of Rorekee	ISTE	8 to 12th Mar 1999	05	01
11.	Work shop on Biomedical Engineering	BARC, Bombay	ISTE	24 th to 29 th Jan 2000	06	01
12.	Switch mode power conversion	IISC Bangalore	ISTE	7-12 Aug, 2000	06	01
13	Recent Advances in Power Semiconductor Devices and Their Applications	Delhi College of Engg. Delhi	AICTE/ISTE	01-06-2002 to 12-06-2002	12	02
13.	SCADA system and subsystem automation	Jamia Milia Islamia University, New Delhi	SVRCE T	2nd and 3 rd Dec. 2003	02	
14.	Workshop on vector control of induction motor	JNTU college of Engineering, Hyderabad	SVRCE T	20 – 22 Oct,2005	03	
15.	Soft computing Tools, Simulation and Applications,	Indian Statistical Institute, Kolkata	SVRCE T	10-14 Jan-2006	05	01
16.	National workshop on Power Electronics	IIT. Mumbai	SVNIT	6-7 Sep, 2007	02	
17.	Electrical Energy Saving and related Aspects	SVNIT, Surat	SVNIT	13-14 Sep 2007	02	
18.	VLSI and Embedded Systems	Central Institute of Tool Design, Hyderabad	SVNIT	17-22 Dec, 2007	06	01
19.	Energy, environment and importance of power electronics	IIT-Delhi	SVNIT	2-3 Jan-2008	02	
20.	Management Capacity Development Program For Future Managers	EQUATE, New Delhi at SVNIT, Surat	SVNIT, Surat	28-1-08 to 01-02-08		
21.	15th NPSC- 2008	IIT Bombay, India.	SVNIT	December, 2008	03	
22.	Advance microprocessor	IUCEE as part of Indo-US Engineering faculty leadership institute. At Infosys Mysore centre	SVNIT	June 29th to July 3rd 2009	06	01
23.	IEEE International Conference on Industrial and Information Systems (ICIIS 2009)	Srilanka	SVNIT	December 28-31, 2009	04	
24.	International Conference on Modelling, Simulation and Control (ICMSC 2010)	Cairo, Egypt	SVNIT	November 2-4, 2010,	03	
25.	3rd Int. Conf. on Computer and Electrical Engineering(ICCEE 2010)	Chengdu, China	SVNIT	November 16 - 18, 2010	03	

26.	IEEE 2010 Joint International Conference on Power Electronics, Drives and Energy Systems & 2010 Power India	Delhi	SVNIT	December 20-23, 2010.	04	
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Conference/Seminars Organized:

Sr. No.	Conference /Seminars	Organized By	Sponsor	During	Day	Weeks
1	National Level Seminar on "Biomedical Instrumentation.	Deptt. of Electrical Engg.SVNIT		29th to 31st October, 1999.	03	
2	Advanced Electrical Power Systems at SVNIT, Surat	Deptt. of Electrical Engg.SVNIT	SVNIT	On 26 th -30 th Jan.'09.	05	01
3	"Power Electronics Education"	Deptt. of Electrical Engg.SVNIT	NaMPET	7-8 May-2009	02	
4	Microcontrollers and their Applications	Deptt. of Electrical Engg.SVNIT	SVNIT	14-19 Dec., 2009	05	01
5	Modern Electrical Energy systems	Deptt. of Electrical Engg. SVNIT	SVNIT	23-28 Jan 2010	05	01

a. Extra Curricular Activities :

- Member [Technical], Consumer Grievances Redressal Forum [CGRF], Dakshin Gujarat Vij Company Limited [DGVCL] during 2009-2011.
- Involved in Testing

b. Administrative Responsibility:

- H.O.D (EED) during 2009-2011
- Lab-in-charge, microprocessor lab, Department of Electrical Engineering, National Institute of Technology, Surat, India.
- Worked as co-coordinators for central assessment for S.G.U.
- Member Time-Table committee.
- Member Admission committee.