

Curriculum Vitae

1. Personal Information:

Name: Prashant V. Thakre	Post : Professor
Date of Birth: 19/07/1970	Category: open
Areas of specialization: Digital Signal Processing, Power Electronics, Photovoltaic Systems	Address: 104, Professor Quarters, SSBT College of Engineering & Technology, Bambhori, Jalgaon

2. Academic Information:

Academic record of 10th and 12th examination:

Examination	School / College / Board	Year of Joining	Year of Passing	% or CGPA	Class / Division
SSC	B.K.C.P School, Kanhan, Nagpur	1984	1985	69%	First
Diploma (Industrial Electronics)	Shri Datta Meghe Polytechnic, Nagpur	1986	1991	61%	First

Academic record starting with graduation:

Examination	College / University / Institute	Year of Joining	Year of Graduation	% or CGPA	Class / Division
B.E (Electronics)	KITS (Ramtek Dist- Nagpur) (Nagpur University)	1991	1996	61%	First
Mtech(P.T) (Energy Engineering)	Moulana Azad National Institute of Technology, Bhopal (M.P)	2003	2006	7.48 CGPA	First
PhD(Design, Modeling And Performance Study Of Digital Controller For Solar Photovoltaic System)	Moulana Azad National Institute of Technology, Bhopal (M.P)	2007	April 2015	---	----

3. Professional Information:

Teaching: 19 year Industrial: 00 years R&D Lab: 04 years Post PhD: 00 years

Employer	Position Held	AGP (Gross salary If AGP is not applicable)	From	To
G.H.Raisoni college of Engg, Nagpur	Lecturer	8000/- (Consolidated)	Aug 1996	July 2000
Hindustan College of Science and Technology, Agra, U.P	Lecturer	15,000/- (Basic +D.A)	Aug 2000	Dec 2004
	Sr. Lecturer	20,000/- (Basic +D.A)	Jan 2004	Dec 2006
	Asstt. Professor	22,000/- (Basic +D.A)	Jan 2006	July 2007
SSBT College of Engineering and Technology, Bambhori, Jalgaon	Asstt. Professor	25000/- (Basic +D.A)	July 2007	Dec 2012
	Associate Professor	90,115/- (Basic +D.A)	Jan 2013	Till date

AWARDS / RECOGNITION:

S.No.	Year	Title	Awarding Body	Activities recognized
NIL				

4. Research Publications:

Item	Number
Journal Papers (SCI)	01
Journal Papers (other reputed journals) with impact factor	04
Books / conference proceedings	05
Monographs / book chapters	01
Conference papers	06
Journal paper in other reputed journals	NIL

(a) Journal Papers (SCI):

No.	Author(s). Title, Publisher, Volume no, Year, Page, etc., impact factor, website, through SCOPUS, Web of Science, Google Scholar, etc., (State applicable engine)
1	Prashant Thakre, Dr. Saroj Rangnekar, "Implementation of Digital Controller TMS320C28027 to Maximum Peak Power Tracking Based Single Phase Bidirectional High Frequency Link Inverter for Photovoltaic Applications" International Journal of Renewable Energy Research, IJRER 2014 Vol. 4 (1): ISSN: 1309-0127, pages 103-108. (IF – 1.00) [Thomson Reuter, SCOPUS and EBSCO]

(b) Five Most cited Journal Papers (SCI) in carrier:

No.	Author(s). Title, Publisher, Volume no, Year, Page, etc., impact factor, website, through SCOPUS, Web of Science, Google Scholar, etc.,	Citation SCOPUS / web of science / Google Scholar (State applicable engine)
1	Souvik Dasgupta, Sanjib Kumar sahuo, Sanjib kumar Panda, "Single phase inverter control techniques for interfacing renewable energy sources with microgrid" , IEEE transaction on Power Electronics, Vol 26, No. 3, pp 717-731, March 2011.	Thomson Reuters, Google Scholar, DOAJ, Scopus, IEEE Xplore digital library
2	Samuel Vasconcelos, Peter Zacharias, Regine Mallwitz, "Highly efficient single phase transformerless inverters for grid connected photovoltaic system" , IEEE transaction on Industrial Electronics, Vol 57, No. 9, pp 3118-3128, 2011	IEEE Xplore digital library
3	H.Nian, R.Zeng, "Improved Control Strategy for standalone distributed generation system under unbalanced and non-linear loads" , IET Renewable Power Generation, Vol 5, No. 5, pp 323-331, 2011	IEEE Xplore digital library
4	Giuseppe Fedele, Domenico Franscino, "Spectral analysis of a class of DC-AC PWM inverters by Kepteyn Series" IEEE Transaction on power electronics, vol. 25, No. 4, pg.839-849, April 2010.	IEEE Xplore digital library
5	L.Piegari, R.Rizzo, "Adaptive perturb and observe algorithm for photovoltaic maximum power point tracking",IET Renewable Power Generation Journal, IEEE, Vol 4, No. 4, pp 317-328, 2010	IEEE Xplore digital library

(c) Other reputed Journal papers not included in (a) above:

No.	Author(s). Title, Publisher, Volume no, Year, Page, etc., also include information on Impact factor, citation index, Year of starting of journal, frequency, website, ISSN no, indexed list in SCOPUS, Google Scholar, etc., (State applicable engine)
1	<p>Prashant Thakre, Dr Saroj Rangnekar , “Simulation and hardware implementation of Maximum Peak Power Tracking based Single Phase Photovoltaic Inverter using TMS320C28027 control” , International Journal of Computer and Electrical Engineering, Singapore, Vol.3,No.4, August 2011, ISSN 1793-8163, pages 592-596. (IF - 1.33)</p> <p>[EI (INSPEC, IET), Ulrich's Periodicals Directory, Google Scholar, Engineering & Technology Digital Library, ProQuest, and Electronic Journals Library]</p>
2	<p>Prashant Thakre, Dr. Saroj Rangnekar, “Implementation of Digital Signal Controller TMS 320C28027 Based PWM for a Single Phase Bidirectional High Frequency Link Photovoltaic Inverters”, International Journal of Energy Engineering, Scientific and Academic Publishing, USA 2012, Volum2(2):15-22 DOI: 10.5923/j.ijee.20120202.03, pages15-22. (I.F – pending)</p> <p>[WorldCat, Index Copernicus, Standard Periodical Directory, Electronic Journals Library, Southwest-German Union Catalogue, German National Serials Database, Social Science Research Center Berlin, Cross Ref, Google Scholar, Academickeys, Access to Research for Development and Innovation, Scientific Publications Index, Scientific Resources Database, Recent Science Index, Scholarly Journals Index, Directory of Academic Resources, Elite Scientific Journals Archive, Current Index to Scholarly Journals, Digital Journals Database, Academic Papers Database, Contemporary Research Index, J-Gate, EBSCO A-to-Z, CNKI(China Knowledge Resource Integrated Database)]</p>
3	<p>Prashant.V.Thakre, V.M.Deshmikh, Dr.Saroj.Rangnekar, “Performance Analysis of Photovoltaic PWM Inverter with Converter for different carrier frequencies Using MATLAB” International Journal of Engineering and Technology, Singapore, IJET 2012 Vol.4 (3): ISSN: 1793-8244, pages 234-238. (IF – 1.42)</p> <p>[DOAJ, Engineering & Technology Digital Library, Google Scholar, Ulrich Periodicals Directory, Crossref, ProQuest, Electronic Journals Library, Index Copernicus, Chemical Abstracts Services (CAS)]</p>
4	<p>Minal Birewar, Prof.P.V.Thakre , “Texture Analysis with Linear Regression Model Based on wavelet transform” International Journal of Advanced Research in Electronics and Communication Engineering, (IJARECE), Volume 2, Issue 3, March 2013, ISSN: 2278 –909X, pages 307 – 313. (IF – 1.77)</p> <p>[Google Scholar, ULRICHSWEB, CROSSREF, ASI, Cite Factor, Cabells Directories, Listed by German National Library of Science Technology, Simpson University, EZB]</p>

(d) Referred Conference papers:

No.	Author(s). Title, Publisher, Volume no, Year, Page,details of conferences, Organizers, frequency, website, Sitiation Index through SCOPUS, Google Scholar, etc., (State applicable engine)
1	P.V.Thakre, S.Rangnekar, "Performance analysis of single phase MPPT based photovoltaic inverter topologies and implementation of digital controller TMS320C28027 based PWM signal for single phase bidirectional high frequency link inverter" Conference Proceedings, Fifth International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2013), January 2013, published in IET Digital Library, DOI:10.1049/cp.2013.2180, ISBN: 978-1-84919-842-4, page 275 – 287.
2	Prashant Thakre, Dr Saroj Rangnekar, "Implementation of Digital Signal Processor TMS320C28027 Based PWM for a Single Phase Bidirectional High Frequency Link Photovoltaic Inverter" Conference Proceedings, 2-4 November 2011, PV Asia Pacific Conference, Singapore, page 86-89. Prashant Thakre, V.M.Deshmkh, Dr Saroj Rangnekar, "Performance Analysis of Bidirectional High Frequency Link Inverter for different carrier frequencies using MATLAB/Simulink ,Conference proceeding, February 19-20, 2011, ICPDRE2011 ,Chennai, page 18-21.
3	Prashant Thakre, Dr Saroj Rangnekar, "Performance Analysis of Photovoltaic PWM Single phase Inverter with Converter for different carrier frequencies Using MATLAB" Conference Proceeding, International Conference on Convergence of Science & Engineering in Education and Research: A Global Perspective in the New Millenium, ICSE-2010, April 21-23, 2010, Bangalore, page 64-68.
4	Prashant Thakre, Dr Saroj Rangnekar, "Performance Analysis of Single Phase Maximum Peak Power Tracking Based Photovoltaic Inverter Topologies and Implementation of Digital Controller TMS320C28027 based PWM Signal for Single Phase Bidirectional High Frequency Link Inverter" Conference Proceeding, International Conference on Power Electronics and Instrumentation Engineering, PEIE-2013, August, 1-2, 2013, Chandigarh, page 67-76.
5	Prashant V. Thakre, Dr. Saroj Rangnekar, "Performance Analysis of Single Phase Photovoltaic Inverter Topologies and Implementation of Piccolo Series Controller TMS320C28027 based Pulse Width Modulated Signal for Single Phase Bidirectional High Frequency Link Inverter" Conference Proceedings, ICAER 2013, IIT, Bombay, 10-12, December, 2013.
6	Prashant Thakre, Dr Saroj Rangnekar, "Performance Analysis of Photovoltaic PWM Single phase Inverter with Converter for different carrier frequencies Using MATLAB" Conference Proceeding, National Conference on Emerging Trends in Engineering, Technology and Management, MILESTONE2K10, March 29,2010,Jalgaon ,page 182-186.

(e) Research Monographs of book chapters published with full details

No.	Title, Sponsorer, / Publisher, no of page, year of publishing, website, etc.
1	Daylight System Designing using Optical Fiber, New Age Publisher, 144-148, 2006

Patents/Copyrights/Product

	Awarded	Filed	Published	Applied	Year	Title
Patent	NIL					
Copyright						
Product						

5. Research Guidance:

Category	Number	Name	Remarks
Post doctoral fellows mentored	-----	-----	-----
PhDs supervised (part time/full time)	-----	-----	-----
PhDs supervision in progress (part time/full time)	-----	-----	-----
M.E. (by research) supervised	02	Ms. Minal Birewar Mr. Jivenesh Chavhate	-----
M.E. (by research) in progress	01	Ms. Aswini Sharnagat	-----
M.E. (by research) in progress	-----	-----	-----
M.E. (by research) in progress	-----	-----	-----

Sponsored Projects

Category (Government / Industry)	Title	Agency	Number	Completed/In process/Submitted	Remarks (Cost)
Govt. of Maharashtra	Digital Signal Processor based stand alone system	Rajiv Gandhi Science & Technology Commission	01	In process	2 lacs

Consultancy Projects

Category (Government / Industry)	Title	Agency	Number	Completed/In process/Submitted	Remarks (Cost)

6. **OUTREACH Activities** (Academic outreach activities (STTPs/workshop/conferences/ organized etc.) with and outside College as Advisor/Convenor/Co-Convenor/Organizing Secretary/Expert Lecture delivered, etc.

Sr	STTP / Workshop / Seminar	Function Details
1	FEAST 2014	Convener
2	Avishkar 2014 (North Maharashtra University	Advisory Panel Expert
3	Research Fellowship at North Maharashtra University	Interview Panel Expert
4	Two days work shop on MATLAB in Hindustan College of Science & Technology. Mathura.	Coordinator
5	National conference on Wireless Communication	Coordinator
6	ISTE sponsored STTP on Recent Trends of DSP	Expert Lecture
7	LIC Committee	Coordinator
8	Subject panel at NMU	Chairman

Sr	Conference	National / International	Function Details
1	National conference on Wireless Communication	National	Chief Coordinator

7. **ADMINISTRATION/Administrative Responsibilities** (as per office order): Dean/HOD/Prof In-charge/ Functional head

Sr	Category /Position	Duration	Function/details
1	Chairman, Sports	August 2012 onwards	Arranging annual sports, inter collegiate, inter group and inter university sports

Membership of Professional committees and activities, etc.,

Sr	Society	Function / Details
1.	ISTE (Lifetime)	July 2001

8. Teaching Details: Last Three Years

Year	Student strength per course (approximate range)	Result / Teacher Feedback score
	Courses	
2012-13	a) Digital Signal Processing and Processor	92.45 %
	b) Fiber Optic Communication	79.14 %
	c) Satellite Communication	86.72 %
2013-14	a) Digital Signal Processing and Processor	80.24 %
	b) Satellite Communication	80.65 %
	c) Elements of Electronics and Electrical Engineering	68.45 %
2014-15	a) Digital Signal Processing and Processor	72.23 %
	b) Satellite Communication	Result Awaited
	c) Elements of Electronics and Electrical Engineering	Result Awaited

Vision Statement: Write a note on your short term (next 5 years) and long term (career) goals for (a) Teaching, (b) Research, (c) Industry Interaction and (d) Consultancy

Short and Long Term Plan

I will always try to upgrade myself in terms of teaching and research activities. Other than teaching I will be also concentrating on the research projects as well as administrative work.

R.2 Research Guidance

Doctoral Research guidance (Part Time) (Ph.D. guided in career as sole or principal supervisor)

Sr	Name of Candidate	Completed / ongoing	Supervisor	Thesis Topic	Institute / University

Master's Research guidance (Research / Academic problems) / Industrial live problem)

Sr	Type M.Tech. / M.Sc. etc.	Name	Completed / ongoing	Other guides, if any	Thesis Topic
1	M.E	Minal Birewar	Completed	-----	Wavelet transform approach for analysis and classification of texture with linear regression model
2	M.E	Jivnesh Chavhate	Completed	-----	Implementation of speech operated system using TMS320C6713 digital signal processor
3	M.E	Ashwini Sharnagat	On going	-----	PLC and SCADA based fault finding technique for conveyor belt

R.3 Projects

Sr	Project Title	From	To	Sponsoring agency	Whether PI/ co-PI	No. of investigators	Outlay Rs. Lakhs
1	Digital Signal Processor based 100 watts stand alone system	March 2015		NMU Jalgaon	PI	02	2.00

Course material prepared, distributed to students and placed on web

Subject (no and title)	Remarks
Digital Signal Processing and Processor (01)	

Developing / Developed New Courses

Sr	Details of new courses / Lab experiments
1	Laboratory Manual for Digital Signal Processing and Processor

Date:

Dr. Prashant V. Thakre