

# CURRICULUM VITAE



- **Name** : **Dr. Jagdish B. Helonde**
- **Permanent Address** : **Plot No.21, Pathan Layout ,  
Sambhaji Nagar, Nagpur- 22**
- **Email** : [jbhelonde60@gmail.com](mailto:jbhelonde60@gmail.com)
- **Educational Qualifications**

Degree	Institute / University	Year	Division
BE (Electrical)	Govt.College of Engineering, Amravati	1981	I
M.Tech (Integrated Power Systems )	VNIT Nagpur (Formerly- VRCE, Nagpur)	1983	I
Ph.D (Electrical)	RTM Nagpur University Nagpur	2002	-

**Teaching & Administrative Experience: (Total Experience: 35 years)**

Designation	Organization / Location	Work Duration	
		From	To
<b>Professor in Electrical Engg.</b>	<b>GES RH Sapat COE, Nasik</b>	<b>2017</b>	<b>-----</b>
<b>Director/Principal</b>	<b>SRI TECH NEW , RAIPUR</b>	2015	2016
<b>Principal &amp; Campus Head</b>	ITM College of Engineering, Nagpur	2010	2014
<b>Principal</b>	Gurunank Institute of Engineering & Technology, Nagpur	2008	2010
<b>Professor &amp; Head of Department</b> of Electronics & Power Engineering & PG Coordinator	YeshwantraoChavan College of Engineering, Nagpur	2006	2008
<b>Professor &amp; Head of Department</b> of Electronics & Power	BapuraoDeshmukh College of Engineering, Sevagram (Wardha)	2004	2005
<b>Professor &amp; Head of Department</b> in Electronics & Telecommunication & Computer Engineering <b>Principal</b>	BapuraoDeshmukh College of Engineering, Sevagram (Wardha)	1999 2000	2004 2001
<b>Professor &amp; Head of Department</b> of Electronics Engg & Power Electronics Engineering <b>Principal</b>	BapuraoDeshmukh College of Engineering, Sevagram (Wardha)	1991 1991	1999 1994
<b>Assistant Professor &amp; Head of Department</b> in Electronics Engineering & Power Electronics	BapuraoDeshmukh College of Engineering, Sevagram (Wardha)	1986	1991
<b>Lecturer &amp; Head of Department</b> in Power Electronics Engineering	BapuraoDeshmukh College of Engineering, Sevagram (Wardha)	1983	1986

### **Short Term Training Programs/ Winter School Attended**

- First Annual Convention of Maharashtra-Gao Section of ISTE at Walchand College of Engineering, Sangli, 29th Nov-1st Dec. 1996.
- STTP on New Trends in Curriculum Development with Relevance to Industries, Organized by NITTTR, Goa, 4th -8th Jan. 2007 under TEQIP
- Workshop on Technology Business Incubation organized by IIT-Mumbai, 28th -29th 2001.
- STTP on Microprocessor in Instrumentation by AICTE, New Delhi, 17th -28th June-1996.
- STTP on Institutional Planning and Management at VRCE, Nagpur, 17th -21st March-1997.
- Winter School on Research Method in Design by IIT-Delhi, 7th -18th Dec. 1999.
- STTP on Intellectual Property Rights by Ministry of Commerce and Industry, March, 2003.
- Workshop on Analysis and Simulation Software for Electrical & Electronics Engineering by VNIT-Nagpur, 1st Feb-2003.
- One Day Workshop on NBA: What, When, Why & How by SRKNEC, Nagpur, 7th March. 09.
- Workshop on Leadership beyond the Boundaries by NYSS, Nagpur, 12th -13th Dec. 2008.
- STTP on Dynamics on Management in 21st Century at Center Point Hotel, Nagpur under TEQIP, 27th -28th Feb. 2006.
- STTP on Application of Matlab in Electrical Engineering Govt. Engg College, Aurangabad, 16th -20th Aug. 2005.
- STTP on Research Method in Design by IIT-Delhi, 7th -18th Dec. 1999.
- Workshop on SCADA by IEI, Nagpur, 12th Jan. 2008.
- Workshop on Cyber Security by YCCE, Nagpur, 3rd -4th March. 2008.
- STTP on MATLAB by NITTER, Chandigar, 19th -23rd Nov. 2007.
- Workshop on Automation and PLC Controller by YCCE-Nagpur under TEQIP, 13th -14th

## **Membership of Professional & Academic Bodies:**

<ul style="list-style-type: none"><li>• Fellow member of institution of Engineers , India</li><li>• Life Member- Indian Society for Technical Education, New Delhi. LM-10217</li><li>• Ex. Chairman ,board of studies, Electronic Engineering of R.T.M. Nagpur University,1995</li><li>• Ex-Member of faculty of Engineering &amp; Technology of R.T.M. Nagpur University,1995</li></ul>
<ul style="list-style-type: none"><li>• Ex- Member of Academic Council of R.T.M. Nagpur University,1995</li></ul>
<ul style="list-style-type: none"><li>• Ex- Member of Library committee of R.T.M. Nagpur University,1995</li></ul>
<ul style="list-style-type: none"><li>• Ex-Member of Research &amp; Recognition committee of R.T.M. Nagpur University, 1995</li><li>• Editor-in chief –International journal ofengineering researches &amp; management studies I F 2.187</li></ul>

## **Working on various committees :**

<ul style="list-style-type: none"><li>• Chairman and Member on Local Enquiry committee.</li></ul>
<ul style="list-style-type: none"><li>• Affiliation committee of R.T.M. Nagpur University</li></ul>
<ul style="list-style-type: none"><li>• Member on committee of higher Learning &amp; Research of R.T.M. Nagpur University</li></ul>
<ul style="list-style-type: none"><li>• Member &amp; Secretary of Bapurao Deshmukh Engineering College Cooperative Credit Society, Sewagram</li></ul>
<ul style="list-style-type: none"><li>• Chairman, Technical committee of International seminar on New &amp; renewable energy sources at Institute of Engineers (India), Nagpur Local Centre</li><li>• Senior centre superintendent for conduct of PRE-PG-DMAT examination-2015at CIIT Indore</li></ul>

## **Other Assignments & contributions:**

- Reviewers of International Journal Papers and Books
- Taught various Under Graduate and Post Graduate Subjects in Electrical & Electronics
- Guided Under Graduate and Post Graduate Projects.
- Worked as Convener/ Co- Coordinator of various STTTP's, Workshops and Seminars
- Design And Set up of Laboratories in Electronics & Electrical Engineering department at B.D.C.O.E., Sewagram and Y.C.C.E. Nagpur.
- Worked for N.B.A. of Department at B.D.C.O.E., Sewagram and Y.C.C.E. Nagpur.
- Officer In-Charge of R.T.M. Nagpur University Examination at B.D.C.O.E. , Sewagram and Y.C.C.E. Nagpur Center.
- Worked as PG Coordinator (M.Tech.) at Y.C.C.E. Nagpur
- Delivering a Guest Lecturer as Expert Faculty, Entrepreneurship Development Cell, PCE, Nagpur, 2007
- Advisory Committee member of TecnoXtreme-07 at JDIET, Yavatmal, 2007
- Invited as a Judge for National Conference at, DIMAT, Raipur, 2008
- Invited to Inaugurate Electronics & Computer Maintenance Society, Shivaji Science College, Nagpur, 2007
- Invited as a Chairperson for National Conference at GHRCE, Nagpur, 2004
- Invited as a Judge for International Seminar on Non Conventional Sources and Rural Economy in Developing Countries at IEI, Nagpur, 2008
- Invited as a co-chairman & Organizing Committee for International Seminar on Generation Economics & Grid Security at IEI, Nagpur, 2007
- Reviewer of Electric Circuit and Network book of Person Education, New Delhi, 2008
- Committee member of Grant of Permanent Affiliation for RJCOE, Chandrapur, 2008

## Research Guidance:-Ph.D. Supervised:-

<u>Sr. No.</u>	<u>Name of Candidates</u>	<u>Name of Institute</u>	<u>Research Title</u>	<u>Year of Award</u>
1	Mr. B. S. Umare	VNIT, Nagpur	Establishing Expert System for Ascertaining Torsional Stresses in A Turbine Generator Set on Account of the Electrical Disturbances in An Interconnected Power System	2008
2	Mr. D. J. Pethe	Datta-Meghe college of Engineering, Airoli, New-Mumbai	Simulation Electro migration in Copper (Cu) Interconnected used in Integrated Circuit	2012
3	Mr. P. G. Burade	I. T. M. College Of Engineering, Nagpur	Optimal Power Flow for Congestion Management Using FACTS Device in Deregulated Power System	2012
4	Mr. S. B. Lande-	Kavikulguru Institute of Technology and Science, Ramtek	Resource allocation & Management in OFDMA system with QSI & CSI for next generation wireless	2014
5	Mr. V. S. Deshpande	V. I. T. College of Engineering Pune	Design and Implementation of the model for Congestion Avoidance and Control to Minimize Bottleneck (Congestion) Near the Sink in Wireless Sensor Network	2015
6.	Mrs. S.H.Rajput	Cummins . College of Engineering Pune	Mobility Management in Body Area Network for Patient Monitoring System-	2016
7.	Mrs.R.S.Sandikar	M.I.T Polytechnic pune	Optimization of Handoff Latency Using Efficient Spectrum Techniques for Cognitive Radio in 4G Wireless Networks-	2016
8.	Mr.NitinK.Dhote	St.Vincent Polloti College of Engg-Nagpur	Development of Expert System for Detecting Incipient Faults in Transformer by Dissolved Gas Analysis	2016
9	Mr.V.M.Birari	NDMVP-Nashik	Mitigation of the error due to Jamming, Denial of Service Attacks and Interference Using Innovative Security Algorithm Cognitive Radio –	2017
10	Mr.S.R.Yeolekar	World Peace University M. I. T Pune	Induction Motor Fault Diagnosis by Transient Current Analysis Using Advanced Digital Signal Processing Techniques	Thesis Submitted.

# Laboratory Development Under MODROB

Developed and Design of High Voltage A.C and D.C and Impulse Testing Facility at YCCE Nagpur under Modrob of AICTE New Delhi (10 Lacs)

## • Patents:

1. Security Of Cognitive Radio Using Smart Radio Channel Change Protocol31-1-2012 Application no:-  
**301/MUM/2012 Date:-31/01/2012**
2. Congestion Avoidance and Control near Sink in Wireless Sensor Network for Random Topology,  
Application no: - **2011/MUM/2012Date:-12/07/2012**
3. Optimization of Hansoff latency using efficient spectrum sensing for cognitive radio in 4G wireless  
Network Application no: - **2221/MUM/2014 Date:- 8/07/2014**

## Achievements & Awards:

- 1) Member on Research Advisory Board of GHRIOET, Nagpur
- 2) Awarded with “**VIDYA BHUSHAN PURSAKAR**” Wardha.
- 3) Awarded with “**Gaurav Patra**” by Gyaneshwari Mandal, Wardha
- 4) Awarded with “ BharatJyoti “ National Award at New Delhi

## • Paper presented in Seminars

- Dr.J.B.Helonde and M.B.Daigavane, “*A step towards the quality of technical education*” Magazine of Technological World Engineering Today,2004
- Dr.J.B.Helonde, S, S.Marotkar, Dr.J.P.Modak. and M.A.Gaidhane, “*Energy saving and minimization of starting torque pulsations by using soft starters for large induction motors*”, All India seminar on challenges and roll of generation, transmission, distribution and customers in sorting the power crisis and use of solar energy in changing scenario 9<sup>th</sup>&10<sup>th</sup> Dec 2006
- S.P.Gawande, A.N.Kadu, and Dr.J.B.Helonde, “*Improvement in power handling capability by SSSC*”, All India seminar with International publication on non conventional energy sources and urban rural economy in developing countries, Co-Gen 2008
- B.S.Umareand Dr.J.B.Helonde, “ *Computer Aided automatic system for controlling T-A shaft stress under electrical disturbances*”, IMROMM-2000 on Industrial and Automation and Application-National Workshop on Industrial Problems in Machine and Mechanism, PCE, Nagpur, Jan. 19-20,2001,pp.260-265
- B.S.Umareand Dr.J.B.Helonde, “ *An Algorithm for finding out the sharing of the power in case of overdrawl in the industries and major cities in developing countries*, IEI, Nagpur, Oct.13-15,2005,pp.30-32
- N.K.Dhote and Dr.J.B.Helonde, “*Wind power smoothing control using super capacitor*” seminar on Clean Energy by I.E., Nagpur, 2012
- S.F..Lanjewar and Dr.J.B.Helonde, “*Mini hydrogenation*”, International energy summit2011, Jan2012, Solar thermal application, Page No. 113

- S.F.Lanjewar and Dr.J.B.Helonde, “*Role of Solar and Wind for Urban and Rural Economic Development*” Clean Energy and Energy Conservation, 13-14 Oct. 2012, Clean Energy 2012 P. No. 72
- S.F.Lanjewar and Dr.J.B.Helonde, “*Harnessing Low Head Hydro Power use of cheap and efficient technology*”, Clean Energy and Energy Conservation, 13-14 Oct. 2012, Clean Energy 2012 Page No. 76
- F.S.Lanjewar and Dr.J.B.Helonde, “*Grid Security by Installation of Hybrid System (Solar and Wind)*” Clean Energy and Energy Conservation, 13-14 Oct. 2012, Clean Energy 2012 Page No. 168
- S.F.Lanjewar and Dr.J.B.Helonde, “*Quality and Reliable Power to Industries (Industrial consumers)*”, QR Power 2000, 13-15 Oct. 2000, QR Power 2000, Page No. 172
- S.F.Lanjewar and Dr.J.B.Helonde, “*Reliability Evaluation – A case study of Wind Energy Plant at Motha (Melghat Area)*” All India Seminar on Generation Economics and Grid Security, 13-14 April 2007, GRID SAFE 2007 ,Page No. 132.
- S.F.Lanjewar and Dr.J.B.Helonde, “*Energy Management of Urja Gram*” All India Seminar – Non Conventional Energy Sources on Urban-Rural Economy in Developing Countries, 9-10 Feb. 2008, CO-GEN 2008 Page No. 251.
- S.F.Lanjewar and Dr.J.B.Helonde, “*Effects and Negative Consequences of Harmonics on Power Systems Equipments and Load*”, HARMONICA 2009, Sept. 2009, HARMONICA 2009Page No. 100.
- S.P.Gwande, A.N.Kadu and Dr.J.B.Helonde, “*Improvement in Power Handling Capability by SSSC*”, All India Seminar on Non Conventional Source of Energy, pp.154-156, Feb.2008.
- M.B.Daigvane, Dr.J.B.Helonde and P.M.Daigvane, “*Step towards the Quality of Technical Education*”, All India Seminar on Non Conventional Source of Energy, Feb.2008.
- N.K.Choudhari and Dr.J.B.Helonde, “*Some Thoughts on Restructuring of Technical Education System*”, All India National Seminar-ISTE at Vijayawada, pp.29-34, Dec.5-6 1997.
- M.A.Gaikwad and Dr.J.B.Helonde, “*Lucent Manage Firewall-Next Generation in Internet Security*”, All India Seminar on Information Technology, pp.1-4, 15<sup>th</sup> March.2000.
- M.M.Khanapurkar, Dr.J.B.Helonde and M.A.Gaikwad, “*Inferno-Inter-Networking Operating System Operating System for Next Generation Internet Security*”, National Seminar on Management, pp.85-88, Nov.1999
- S.F.Lanjewar and Dr.J.B.Helonde”, Improvement of Power Quality by using shunt Comp.



## • **Paper presented in National Conference**

- C.S.Hiwarkar, and Dr.J.B.Helonde, " *A Control of three phase BLDC motor by using four switch convertor*", National conferences on power system NCPS-2007, April 21 & 22<sup>nd</sup> 2007
- C.S.Hiwarkar, and Dr.J.B.Helonde, " *A Control of three phase BLDC motor by using four switch convertor*", BITCON, 2007
- C.K.Dwivedi, M.B.Daigavane, and Dr.J.B.Helonde, " *A Low cost voltage multiplier circuit for testing on high voltage cable*", National conferences at Jaipur, 2008
- S.K.Lokhande, A.P.Wanerkar, and Dr.J.B.Helonde, " *Performances validation of an innovative instrument: total organic carbon (TOC) analyzer*", ETWMT-09 Indo-Indian conferences on emerging trends in waste management technology, Dec 3 & 4<sup>th</sup> 2009
- D.J.Pethe and Dr.J.B.Helonde, " *Electromigration in Cu at Interface Level*", National Conference on Current Trends in Technology (NUCONE), 2009
- S.H.Rajput and Dr.J.B.Helonde, " *Joint Position Verification Technique For Anti-PUE Attack*" National Conference On Advanced Technology NIRMITI-2011, 08-09<sup>th</sup>, March, 2011, FRP 12, 6
- S.H.Rajput and Dr.J.B.Helonde, " *Security Issues in Cognitive Radio*", National Conference on Advances in Wireless Communication, 07-08<sup>th</sup>, May, 2010.
- S.H.Rajput and Dr.J.B.Helonde, " *Cardiac MRI Segmentation*" National Conference on Emerging Trends In Biomedical Engineering, 15<sup>th</sup>-16<sup>th</sup> Sept 2009.
- R.S.Kale and Dr.J.B.Helonde, " *Performance measurement of handoff Latency using channel allocation*", National conference organized by Shegaon College of Engineering in the month of March 2011.
- S.B.Lande and Dr.J.B.Helonde, " *Radio Access Channel access for Next Generation Network*" National conference on Innovations in Information Technology (NCIIT 2011) at Goa college of Engineering, 15-16 April 2011, pp 66-70.
- Dr.J.B.Helonde, N.T.Khobragade and R.L.Sonalikar, " *A Model for the Calculation of Minimum Bubbling Velocity of Electrical Stabilized and Magnetically Stabilized Bed of Fluidized Partial*", Indian Chemical Congress, pp.71-74, Dec.2000.
- Preeti Bajaj and Dr.J.B.Helonde, " *Knowledge Based Intelligent Techniques in Medicine Using Fuzzy Logics*", National Conference on Biomedical Engineering, pp. 399-405, Apr.2000.
- N.B.Wagh and Dr.J.B.Helonde, " *Comparative picture of Various Power Generation Techniques and Recent Trends in Nuclear power Generation.*" National Conference, pp.1-11, Feb.1999.
- Dr.J.B.Helonde and M.A. Gaikwad, " *Recent Emerging Technologies in Internet.*" National Conference on Information Technology, pp.1-6, Feb.1999
- S.B.Lande and Dr.J.B.Helonde, " *Strategic Subcarrier Allocation for Cooperative OFDMA Relaying Network (ICIREMPS2K14, at Sagar Institute of Research & Technology, Bhopal, 20 to 23 Feb.2014).*

## • **Paper presented in International Conference**

- M.B.Daigavane, Dr.Z.J. Khan,Dr.H.M.Suryawanshi and Dr.J.B.Helonde, "*An attempt to improve input power quality for drive*"ELROMA-2004 Sixth international conferences ,2004
- S. Dhanjal, P.M.Daigavane, M.B.Daigavane, and Dr.J.B.Helonde,"*A Novel technique to reduce the lightening effect on transmission line*", Second international conferences on emerging trends in engineering & technology,ICETET-09,2009
- Dr.J.B.Helonde and M.A.Gaidhane, "*Modular analytical simulink of induction motor*", International conferences on electrical power and energy system ,26 to28th Aug 2010
- B.S.Umareand Dr.J.B.Helonde, "*Modeling and simulation for comparative study of torsional stresses in the shaft of turbine –generator set*"
- S.F.Lanjewar and Dr.J.B.Helonde, "*Improvement of Distribution network by proper placing &size of Facts devices(shunt capacitor/stat com hybrid system)*", LJPSOEM, 25JULY2012, VOL-1 OF IOAG journals.
- P.G.Burade and Dr.J.B.Helonde, "A Novel Approach for Optimal Power Dispatch using Artificial Intelligence (AI) Methods," in *International Conference on Control, Automation, Communication and Energy Conservation (INCACEC-2009)*,Proceeding, vol.1, Erode-Tamilnadu,June-2009, pp.265-271, and paper has been listed in , *IEEE-Explorer*, ISBN:978-1-4244-4789.
- P.G.Burade and Dr.J.B.Helonde, "Automatic Generation Control for Multi-Area Power System Using Artificial Intelligence Controller," in *International Conference on Communication, Control and Signal Processing*, World Academy of Science, Engineering & Technology, ICCSP-2009, Proceeding, vol.60, Bangkok-Thailand, Dec.2009, pp.951-956
- P.G Burade and Dr. J.B.Helonde, "Rescheduling of Generation to Relieve Congestion and Congestion Cost Allocation with FACTS Device," in *International Conference on Power, Control, Signal, and Computation, EPSCICON-2010*, IEEE Sponsored, Proceeding, vol.1,Thrissur-Kerala, Jan.2010, pp.134-140
- P.G.Burade and Dr.J.B.Helonde, "Optimal Location of FACTS Device in Power System Using Genetic Algorithm," in *International Conference on Emerging Trends in Engineering, ICETE-2010*, IEEE Sponsored, Proceeding, Kolhapur-Maharashtra, Feb-2010,pp.175-182
- P.G.Burade and Dr.J.B.Helonde, "Multi-Zone Congestion Management Using FACTS Device in Deregulated Power System," in *International Conference on Emerging Frontiers in Technology for Rural Area, EIITRA-2012*, AICTE sponsored, Wardha-Maharashtra, Proceeding, March.2012,And paper will be published in International Journal Computer Technology and Electrical Engineering.
- B.S.Umareand Dr.J.B.Helonde, "*Application of STATCOM for reducing stresses due to torsional oscillations in turbine –generator shaft*"38<sup>th</sup> IEEE International Power Electronics Specialist Conference PECE-PSC-07, Ollando, Gorjeo,USA,17-21,2007,pp.865-869
- B.S.Umareand Dr.J.B.Helonde, "*An Expert system for sharing of power in integrated grid system and estimation life of DG Set*", International conference of Energy Management beyond 2000, IEI, Lucknow, Oct.19-21, 2000, pp.415-420
- S.V.Chandrakar and Dr.J.B.Helonde, "*Power System damping using RBFN based Static Var Compensator (SVC)*", 8<sup>th</sup> IEEE International conference Power Electronics & Drives Systems (PEDS 2009), Taipei, Taiwan, 2009
- V.S.Deshpande and Dr.J.B.Helonde, "*Congestion Control in Wireless Sensor Networks by using Differed Reporting Rate*", World Congress on Information and Technologies, 2012

- V.S.Deshpande and Dr.J.B.Helonde, “*Achieving reliability in Wireless Sensor Networks by Differed Reporting Rate Control*” World Congress on Information and Technologies, 2012
- V.S.Deshpande and Dr.J.B.Helonde, “*Dependency analysis of energy in wireless sensor networks*”, IEEE International Conference on Wireless and Optical Communications Networks, 2012, DOI:10.1109/WOCN.2012.6335520 Pp 1-6
- V.S.Deshpande and Dr.J.B.Helonde, “*Characterizing the Memory management for improving the performance of embedded system used in WSN*” International Conference in Computational Intelligence and Application, 2012, Volume8
- V.S.Deshpande and Dr.J.B.Helonde, “*Performance analysis of Hybrid channel allocation scheme for mobile cellular network*”, IEEE International conference on recent trends in Information Technology, 2011, DOI:10.1109/ICRTIT.2011.5972329pp 245-250
- V.S.Deshpande and Dr.J.B.Helonde, “*Performance evaluation for memory management of Wireless embedded system*” International Conference on Sunrise, 2011
- S.H.Rajput and Dr.J.B.Helonde, “*Cognitive Radio Vulnerability and Countermeasures*”, International Conference on SCIENCE, ENGINEERING & SPIRITUALITY, 1<sup>st</sup>& 2<sup>nd</sup> - April, 2010.
- S.H.Rajput and Dr.J.B.Helonde, “*Comparative Analysis of Security Issues In Wireless Communication*” International Conference On SCIENCE, ENGINEERING & SPIRITUALITY, 1<sup>st</sup>& 2<sup>nd</sup>- April, 2010.
- S.H.Rajput and Dr.J.B.Helonde, “*Intelligent Entertainment System Using Facial Expression Recognition*”, Pravara International Conference on Emerging Trends In engineering, 20<sup>th</sup> Dec. to 22<sup>nd</sup> Dec. 2008.
- R.S.Kale and Dr.J.B.Helonde, “*Performance measurement of call processing delay for allocating channels in mobile cellular network*”, IEEE conference on Technology & Society in Asia 2012 in the month of October – 2012.
- S.B.Lande and Dr.J.B.Helonde, “*An Efficient Bandwidth Allocation and Power Control for OFDMA*”, 2011 IEEE International Conference on Computational Intelligence And
- Computing Research (2011 IEEE ICCIC), Kanyakumari, India, 15<sup>th</sup>-18<sup>th</sup> December2011, pp 168-17.
- S.B.Lande and Dr.J.B.Helonde, “*Resource Allocation in OFDMA System by Low Complexity Algorithm*”, IEEE International conference on communication system and network technology at Rajkot, India, 11-13 may 2012.
- V.M.Birari and Dr.J.B.Helonde, “*Mobility Management In Wireless Body Area Network for Patient Monitoring System*” International Conference in Computational Intelligence, March 2012.
- Dr.J.B.Helonde and N.B.Wagh,”*Some Energy Conservation Strategies in Power Industries*”, International Conference and Exhibition on Global Power Requirement, pp.29-32, Dec.1999
- M.B.Daigavane, Dr.Z.J.Khan and Dr.J.B.Helonde,” *An Attempt to Improve Input Power Quality for Drives*”, International Conference on Rotating Machines, pp.7-11, Feb.2004.
- N.N.Mhala and Dr. J.B. Helonde”, *Promising Technology for Web Security.*” International Conference, pp.1-8, Feb.1999.

- M.A.Gaiwad,Dr.J.B.Helonde, “*Bandwidth and Energy Dissipation Bottlenecks by Adopting Image Compression to Achieve Mobile Ubiquitous Multimedia Communication*”, International Conference, pp.1-6, Feb.2001.
- S.B.Lande and Dr.J.B.Helonde,” Resource Allocation Based on Channel State information and Quality of service for OFDMA”, International conference on Telecommunication and Computing, ICTC-13 at KITS Ramtek, 18 to 20 dec-2013).
- S.H.Rajput and Dr.J.B.Helonde,” An innovative security algorithm for the Cognitive radio networks against control channel jamming attack based on polynomial reconstruction problem”, International conference on ERCICA 2013, Elsevier publication 2013 Pg:494-500, 2-3<sup>rd</sup> August
- S.H.Rajput and Dr.J.B.Helonde,” Security of Cognitive radio network against control channel jamming attack using randomized distributed scheme”, International conference on ERCICA2013, Elsevier publication 2013,Pg:783-789, 2-3<sup>rd</sup> August 2013
- S.F.Lanjewar and Dr.J.B.Helonde”,Effects of Slip Energy Recovery on Electromagnetic torque of Induction Motor”, International conference on Manthan-2014, Feb.2014.

- **Paper published in International Journals**

- Dr.J.B.Helonde” *Optimum power flow control using united power flow controller*”, International Journal of Computer application in Engineering &Technology, 2009
- Dr.J.B.Helonde” *A Novel approach for Optimal power flow Dispatch (OPD) using Artificial Intelligence (AI) methods*”, IEEE-Explorer publications, 2009
- Dr.J.B.Helonde” *Fuzzy based SVC with POD for damping of co-ordinated POD of oscillations of power system*”, International Journal of Power system 2010
- P.G.Burade and Dr.J.B.Helonde, “Optimal Power Flow Control Using Unified Power Flow Controller,” *International Journal on Computer Application in Engineering, Technology and Sciences*, Vol.2, pp.1-8, Oct.2009.
- P.G.Burade, Dr.J.B.Helonde and P.D.Debré, “Automatic Generation Control for Multi-Area Power System Using Artificial Intelligence Controller,” *World Academy of Science, Engineering and Technology-UK*, Vol.60, pp.951-956, Dec.2009.
- P.G.Burade and Dr.J.B.Helonde, “Genetic Algorithm Method for Optimal Location of FACTS Devices in the Deregulated Power System,” *Journal of Theoretical and Applied Information Technology*, Vol.17, pp.64-71, 2010, and has been listed in Cordial Research University, Australia
- P.G.Burade and Dr.J.B.Helonde,”Mitigating Transmission Congestion and Enhanced ATC Using FACTS Device in the Deregulated Power Systems”,*International Journal of Electrical Engineering*, Volume.4, pp.11-12, 2011
- P.G.Burade and Dr.J.B.Helonde, “Dynamic Modeling of UPFC Optimum Tuning by using Hybrid AI Controller,” *International Journal of Research and Review in Electrical and Computer Engineering-UK*, Vol.02, pp.1040-1046, Dec.2011.
- P.G.Burade, Dr.J.B.Helonde and R.M.Mohril, “Optimal Location of FACTS Devices for ATC Enhanced Using ACO Algorithm in Deregulated Power Systems,” *BIONANO FRONTIER*, issue.5, pp.315-328, Jan.2012.

- P.G.Burade and Dr.J.B.Helonde, “Optimal Location of FACTS Device on Enhancing System Security,” *International Journal of Scientific and Engineering Research-France*, vol.3, issue.5, pp.1-8, 2012.
- P.G.Burade and Dr.J.B.Helonde, “Optimal Power Flow For Nodal Prize Calculation in Indian Deregulated Power Market,” *International Journal of Computer Application in Engineering, Technology and Science*, vol.4, issue.2, pp.1-9, 2012.
- P.G.Burade and Dr.J.B.Helonde, “A New Approach for Optimal Placement of FACTS Device in Open Electricity Market,” *Leonardo Journal of Sciences*, issue.2, pp.123-143, March.12.
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