

## CURRICULUM VITAE



1. NAME : Dr. Nilam N. Ghuge
2. DATE OF BIRTH : 15<sup>th</sup> April 1974.
3. NATIONALITY : Indian
- CAST : Vanjari NT(D)
4. PERMANENT ADDRESS : 15, Saiprasad, New Suyog Colony,  
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5. LOCAL ADDRESS : JSPM's Bhivarabai Sawant Institute of  
Technology & Research, Pune Nagar Highway,  
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7. EMAIL : [ghuge1974@gmail.com](mailto:ghuge1974@gmail.com),
8. EDUCATION : **B.E. (Instrumentation & Control), with  
First-Class [63.00%], North Maharashtra  
University, Jalgaon, 1996**
  - **M.B.A first class [62.00%] , Pune University, June 1999.**
  - **M.E: Instrumentation with first class [63.18%] ,  
S.R.T.M.University, Nanded, 2007**
  - **PhD (Electronics & Communication) , JJT  
University, 28 Feb. 2016.**
9. LANGUAGES AND DEGREE OF PROFICIENCY: English, Hindi & Marathi
10. MEMBERSHIP IN PROFESSIONAL SOCIETIES: ISTE, Institution of Engineers ,  
IACSIT, Singapore.

### **11. EMPLOYMENT RECORD:**

- ❖ Working as Professor & Head, Department of Electrical Engineering, **JSPM's Bhivarabai Sawant Institute of Technology & Research**, Pune, from 16<sup>th</sup> June 2011 till date.
- ❖ Worked as **Officiating Principal of MITR from 31<sup>st</sup> March 2011 to 30<sup>th</sup> June 2011.**
- ❖ Worked as Assistant Professor & Head E&TC at Mulshi Institute of Technology & Research, Mulshi, Pune, from 11<sup>th</sup> Aug 2010 to 30<sup>th</sup> June 2011.
- ❖ Worked as Assistant Professor at G. H. Raison Institute of Engineering & Technology, Pune from 10<sup>th</sup> July 2008 to 10<sup>th</sup> Aug 2010.
- ❖ Worked as Assistant Professor at P.R.E.C Loni from 9<sup>th</sup> July 2007 to 2<sup>nd</sup> July 2008.
- ❖ Worked as a Lecturer at P.R.E.C Loni from 13<sup>th</sup> September 2005 to 8<sup>th</sup> July 2007.
- ❖ Worked as a Lecturer at Gangamai College of Engineering, Nagaon from 4<sup>th</sup> July 1998 to 12<sup>th</sup> September 2005.

**Total Working Experience 25 Years and 10 Months**

## **12. POSITIONS HELD:**

- 1) Working as **Professor & Head Department of Electrical Engineering**, JSPM's Bhivarabai Sawant Institute of Technology & Research, Wagholi, Pune
- 2) Worked as **Member Board of Studies (Electrical Engineering) Punyashlok Ahilyadevi Holkar Solapur University, Solapur. (15/11/2017 to 31/08/2022)**
- 3) Worked as Officiating Principal and Head Department of E & TC. at Mulshi Institute of Technology & Research, Pune
- 4) Assistant Professor, G. H. Raisoni Institute of Engineering & Technology, Pune.
- 5) On deputation worked as In charge Director of Gangamai Institute of Management, Nagaon, Dhule from 01/04/2002 to 04/02/2003.
- 6) Worked as reviewer for IEEE International Conference ICMLC 2011.
- 7) Member Editorial Board of "International Journal of Electronics, communication & Soft Computing Sciences & Engineering" ISSN: 2277-9477.
- 8) Working as **Referee to examine the PhD thesis of Sant Gadge Baba Amravati University.**
- 9) Working as **Referee to examine the ME thesis of University of Mumbai.**
- 10) Working as **Referee to examine the PhD thesis of Rashtrasant Tukadoji Maharaj Nagpur University.**
- 11) Working as **PhD Guide of Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan.**
- 12) Nominated as an **Expert Evaluation Committee Member** for the evaluation of NEAT 3.0 products/courses (**National Educational Alliance for Technology**) by AICTE
- 13) **Registered PhD Guide** at University of Technology, Jaipur.

**No. of Ph.D. Students Guided: 6 (In progress)**

## **Patent Filled: 1**

Method for Detection of bisphenol A (BPA) using electrochemical sensor and fungus in Plastic water bottle or container and beverage using computer vision approach.

## **Extra Curricular Activity:**

- 1) In charge of AICTE Web Portal, LIC/DTE.
- 2) Worked as Senior Supervisor / CEO / Squad member for theory exam of Savitribai Phule Pune University.
- 3) Successfully completed the Mission 10X Learning approach Practitioners Certificate from Wipro.

- 4) Organizing National Level Project Competition **TechPro** from 2023.
- 5) **Organized One Week ATAL FDP**, “Data Science and Cyber Security” sponsored by **AICTE ATAL**.

### **13. SUBJECTS TAUGHT:**

1. Digital Techniques (DT), Analog Techniques(AT), Automatic Control System(ACS) (S.E Instrumentation & Control)
2. Digital Electronics (S.E Electronics & Telecommunication)
3. Feedback Control System (FCS) (T.E E&TC)
4. Digital Signal Processing ( DSP) (T.E , Computer)
5. Modern Control System (TE Instrumentation)
6. Control System-I (TE Electrical)
7. PLC & SCADA Applications (BE Electrical)
8. Control System – II (BE Electrical)
9. Control System – I (TE Electrical)
10. Advanced Control System (BE Electrical)

### **14.Awards And Honours :**

- 1) **Approved Professor (Electrical), Savitribai Phule Pune University, Pune**, Vide letter No. CCO/644, Dt. 23/03/2019 (W.e.F.2/8/2018),
- 2) **Approved Associate Professor (Electrical), Savitribai Phule Pune University,Pune** vide letter No.CCO/324 Dt. 08/02/2018.(W.e.F.7/8/2017)
- 3) **Approved Assistant Professor (Instrumentation) University of Pune** vide letter No.CCO/1047 Dt. 25/03/2014.
- 4) **Approved Lecture wef 13/09/2005 University of Pune** vide letter No CCO/9266 Dt 02/01/2006.
- 5) **Approved Lecturer of NMU** vide letter No NMU/ 18/ D- 44/ 1712/2000 Dt 22/05/2000.
- 6) **GATE 2000 Qualified** with 71.88 Percentile.
- 7) Passed PhD Entrance exam conducted by University of Pune & Shortlisted in Faculty of Instrumentation.(2010)
- 8) **Received Research Grant** of ₹. 1,00,000/- from University of Pune vide letter No. BCUD/14 Dt. 21/01/2008.
- 9) **Received Educational Equipment Grant** of ₹. 1,00,000/- from Savitribai Phule Pune University of vide letter No. SPPU/NVV/1263 Dt. 14/12/2018.
- 10) **Received Educational Equipment Grant** of ₹. 1,00,000/- from Savitribai Phule Pune University of vide letter No. SPPU/NVV/800 Dt. 23/12/2019.
- 11) **Received Grant of ₹ 3,50,000/- from AICTE ATAL as Principal Investigator** of FDP on Data Science and Cyber Security vide letter No 1691473354/AICTE/ATAL/2023-24 Dt. 06/12/2023.

- 12) Worked as Session Chair for 3rd International Conference for Innovation in Technology (INOCON), organized at Sai Vidya Institute of Technology, Bengaluru, India held during 4th–6th March, 2024.

### **15. Workshop Attended :**

- 1) Completed six days Training on “PLC, MMI, SCADA & AC Drives” organized by ISA , Instrumentation system & automation Society on 25th March 2006.
- 2) Attended workshop on “Advanced Control System & Applications” organized by Department of Instrumentation Engineering, N.D.M.V.P. S’s College of Engineering ,Nasik & University of Pune on 29th January 2007.
- 3) Attended workshop on “Web Designing & Maintenance” organized by Department of Computer Engineering, Pravara International Center , Loni, on 7th March 2007.
- 4) Attended Pune University sponsored workshop on “ Microcontroller Techniques” organized by Department of Instrumentation & Control P.R.E.C., Loni on 18th August 2007.
- 5) Attended Pune University sponsored workshop on “Digital Control” organized by Department of Instrumentation & Control P.R.E.C., Loni from 23rd August to 25th August 2007.
- 6) Attended Pune University sponsored State Level Seminar on “Advanced Control System” organized by Department of Instrumentation & Control Engineering P.R.E.C., Loni from 20th to 22nd Feb 2008.
- 7) Attended a guest Lecture on “Nanorobotics & Mechatronics” organized by Department of Instrumentation & Control Engineering P.R.E.C., Loni on 28th Feb 2008.
- 8) Attended one week ISTE approved STTP on “Recent Trends in Advanced Image Processing” at G H Raisonni College of Engineering & Management, Wagholi, Pune during 23- 27 Nov 2009.
- 9) Attended seminar on “Current Trends in Management” organized by G. H. Raisonni Group of Institutions Pune on 19th January 2010.
- 10) Attended Workshop on Syllabus Exploration (TE E&TC, 2008 Course) of Pune University at SIT, Narhe on 7th Feb 2011.
- 11) Attended two week AICTE sponsored FDP on Neural Network Design organized by SCOPE Pune during 13th to 25th June 2011.
- 12) Attended one day Seminar on “Recent Trends in Power System” organized by University of Pune & GHRIET, Pune on 24th March 2012.
- 13) Attended One Week IETE sponsored STTP on Wavelets organized by SIT, Narhe during 13th to 18th December 2012.
- 14) Attended two day National Seminar on “Signal Processing & Communication” organized by University of Pune & BSIOTR(W), Wagholi, Pune. During 20th and 21st Sept 2013.

- 15) Attended Three day AICTE Sponsored National Seminar on “Interdisciplinary Applications of Digital Signal Processing”, organized by G.H. R. C. E. M. Wagholi, Pune, from 23rd to 25th January 2014.
- 16) Attended Two days State level Seminar (Sponsored by Savitribai Phule Pune University) on “Challenges to Indian Power Scenario by 2020”, organized by G.H.R.I.E.T. Pune on 30th and 31st October 2014.
- 17) Attended Two week Faculty Development Programme on “ Teaching Methodology in Electrical Engineering”, Organized by JSPM’s Jayawant Sawant College of Engineering, Hadapsar, Pune on 01/12/2014 to 15/12/2014.
- 18) Attended One week STTP on “Recent Trends of Power Electronics in Power System”, Organized by N. B. N. Sinhgad College of Engineering, Kegaon, Solapur, on 13th to 17th June 2016.
- 19) Attended two days State Level Seminar on “Distributed Generation: Current Status & Challenges” at G. H. Raisoni Institute of Engineering & Technology, Pune on 16th & 17th Feb 2017.
- 20) Attended Two Week ISTE STTP on “Electric Power System” Conducted by IIT Kharagpur, from 12th June 2017 to 15th July 2017.
- 21) Attended one day workshop on “Syllabus Revision of BE Electrical (2015 Course), Organized by Dept. of Electrical Engineering, under the aegis of B.O.S. Electrical SPPU Pune, on 30th Jan 2018.
- 22) Attended One Day State Level Seminar on “Patent: IP Discovery, Analysis, Protection and Education” Sponsored by SPPU, organized by JSPM’s BSIOTR, Pune on 15th Feb 2018.
- 23) Attended One Day National conference on, “Indian Higher Education Challenges of Autonomy and Accountability”, August 19, 2018.
- 24) Attended One Day State Level Workshop on “ NBA Accreditation – An Outcome Based Approach”, Organized by IQAC, Dhole Patil COE, Pune, December 28, 2019.
- 25) Attended Conclave on “Advances in Solar System, Electric Vehicle and Awareness”, Organized by G. H. R. I. E. T. Pune in association with IEEE PES IAS Chapter, SPPU and ARAI, February 25-26, 2020.
- 26) Attended Three day International Faculty Development Program on “Advanced topics in Control Systems”, Organized by Dept. of Electrical Engineering, K. K. Wagh Institute of Engineering Education & Research & IET Nasik on 22<sup>nd</sup> to 24<sup>th</sup> September 2022.
- 27) Attended one day workshop on “**Syllabus Revision of BE Electrical (2019 Course)**, Organized by Dept. of Electrical Engineering, under the aegis of B.O.S. Electrical SPPU Pune , on 20th June 2022.

- 28) Attended One Week National Level Online Faculty Development Program On “Outcome Based Education through Student Centric Teaching-Learning Process” Organized by Organized by Department of Engineering Science , BSIOTR Wagholi, Pune, May 22-26, 2023.
- 29) Attended 5 days STTP on “Emerging Technologies in Electrical and Electronics Engineering” organized by Department of Electrical and Electronics Engineering, Bharat Institute of Higher Education & Research, Chennai, September 11-15, 2023.

## 16. Refereed Journals:

1. **Nilam Ghuge** and P. S. Arora, “Comparative Study of Spatial Domain Techniques and Fuzzy Intensification Factor for Image Enhancement” in Journal of **SPIE**, Vol 8285(1), pp 82851R-1 to 82851R-5, Oct 1, 2011 ISSN No. 0277-786X.
2. **Nilam Ghuge**, P. S. Arora Bhalotra and B. D. Shinde, “CBIR using Textural Features” International Journal of Computer Application, Vol 56, No 11, pp 28-32, October 2012, ISSN 0975-8887. DOI: 10.5120/8937-3076.
3. P. S. Arora Bhalotra, **Nilam Ghuge** and B. D. Shinde “Shot Boundary Detection for a video under the influence of Illumination: A Adaptive Thresholding Approach” International Journal of Computer Application, Vol 56, No 11, pp 12-15, October 2012, ISSN 0975-8887. DOI:10.5120/8937-3076.
4. **Nilam Ghuge**, P. S. Arora Bhalotra and B. D. Shinde, “CBIR using Histogram & Directional Gabor filtering: A comparative Approach”, International Journal of Computer & Electronics Engineering, Vol 4, No 2, pp 473-476, Dec 2012, ISSN: 0975-4202
5. **Nilam Ghuge** and Bhushan Patil, “Multi Resolution Features of Content Based Image Retrieval”, ACEEE International Journal on Signal & Image Processing , Vol 4, NO. 3, pp. 65-71, Sept 2013, ISSN 2152-5048 (print); ISSN 2152-5056 (online) DOI:01.IJSIP.4.3.17
6. **Nilam Ghuge** and Bhushan Patil, “Content Based Image Retrieval Using Radon Projection Approach”, Advances in Intelligent Systems and Computing, **Springer**, Volume 249, pp 145-153, 2014. ISBN:978-3-319-03095-1 DOI: 10.1007/978-3-319-03095-1
7. **N. N. Ghuge**, A. Sathe, V. Patil, A. Warankar, “Every Speed Breaker is a source of Power”, International Journal of Engineering Research and Applications, vol. 4, Issue 3, pp. 1-5, ISSN 2248-9622, March 2014.
8. D. Poonam, D. Kumari, S. Kumari and **N. N. Ghuge**, “Forecasting Maximum Demand and Load shedding”, International Journal of Engineering Research and Applications, vol. 4, Issue 5 (Version 6), pp. 62-65, ISSN 2248-9622, May 2014.
9. **N. N. Ghuge**, S. Jasrotia, Anamika, C. Sadhu, “Gieger Muller: A Thin End Window Tube Radiation Detector”, International Journal of Research in Engineering and Technology, Vol. 4, Issue 5, pp 190-196, eISSN 2319 – 1163, pISSN 2321-7308, May 2015.
10. A. Moin, S. Patrawale, R. Phakade, A. Nalawade and **N. N. Ghuge**, “Magnetically Levitated Solar Motor”, International Journal of Creative Research Thoughts, Vol. 6, pp. 1-5, ISSN: 2320-2882, Feb. 2018. [URL: - http://ijcrt.org/viewfull.php?&p\\_id=IJCRT1705363](http://ijcrt.org/viewfull.php?&p_id=IJCRT1705363)

- 11.** J. Pawar, S. Shirode, S. Vaishnav and **N. N. Ghuge**, “Design and Implementation of Triac based OLTC of Transformer”, International Journal of Scientific research in Science and Technology, Vol. 6, Issue 3, pp. 185-191, ISSN:2395-602X, May-June 2019.  
DOI : 10.32628/IJSRST196319.
- 12.** A. Bhosale, G. Burpalle, M. Choudhary, **N. N. Ghuge**, “Analysis of 5Kw Rooftop System by using PVSyst Software”, Science and Engineering Journal, Vol. 25, Issue 6, pp. 70-76, ISSN: 0103-944X, June 2021.
- 13.** V. Nimunkar, A. Dubakwad, R. Mahajan, **N. N. Ghuge**, “Password Based Circuit Breaker Control”, Science and Engineering Journal, Vol. 25, Issue 6, pp. 70-76, ISSN: 0103-944X, June 2021.
- 14.** S. Thakare, A. Tithe, F. Shaikh, **N. N. Ghuge**, “ Development Of A Prototype Underground Cable Fault And Location Detection Using PIC Microcontroller”, Science and Engineering Journal, Vol. 25, Issue 6, pp. 120-127, ISSN: 0103-944X, June 2021.
- 15.** H. Jaybhay, H. Kadam, P. Hude, **Nilam Ghuge**, “Solar-Powered Vaccine Refrigerator and Freezer System”, GIS SCIENCE JOURNAL, Vol. 9, Issue 4, pp. 187-195, ISSN: 1869-9391, April 2022. DOI: 20.18001.GSJ.2022.V9I3.22.38980
- 16.** **Nilam N. Ghuge**, Sanket R. Patil, Shubham Y Takalkar, Ruturaj S. Dhamdhere,” Review Paper on Smart Vibration Sensor for Real-time Machine Fault Detection and IoT-based Alert System”, Journal of Basic Sciences, Vol. 23, Issue 10, pp. 640-646, ISSN NO : 1006-8341, Oct. 2023. **DOI:10.37896/JBSV23.10/2643 (SCOPUS & UGC CARE)**
- 17.** **Nilam N. Ghuge**, Janvi Bandal, Prachi Jathar, Ajinkya Dhande,” A Review Paper on different methods for Solar Charger Controller”, Journal of Basic Sciences, Vol. 23, Issue 10, pp. 707-713, ISSN NO : 1006-8341, Oct. 2023. **DOI:10.37896/JBSV23.10/2648 (SCOPUS & UGC CARE)**
- 18.** **Nilam N. Ghuge**, Snehal Soni, Akshay Thombare, Disha Khatik,” A Review on Fast Charging System for Electric Bicycle”, Journal of Basic Sciences, Vol. 23, Issue 10, pp. 696-706, ISSN NO : 1006-8341, Oct. 2023. **DOI:10.37896/JBSV23.10/2647 (SCOPUS & UGC CARE)**
- 19.** **Nilam N. Ghuge**, Pooja Aware, Shreyas Hargude, Swapnil Khedkar,” A Review paper on Electric Bicycle with regeneration of Electricity ”, Journal of Basic Sciences, Vol. 23, Issue 11, pp. 1-5, ISSN NO : 1006-8341, Nov. 2023. **DOI:10.37896/JBSV23.11/2661 (SCOPUS & UGC CARE)**
- 20.** Patel Ronak V. and **Nilam N. Ghuge**,”Grid-Connected RERS Operated Energy Management Strategies For Electric Vehicle Charging Stations”, International Journal of Applied Engineering and Technology, Vol.5, Sr No. S6,(Oct to Dec 2023), pp. 435-451, ISSN No. 2633-4828. [ijetv5-s6-oct-dec-2023-42.pdf \(romanpub.com\)](https://www.romanpub.com/ijetv5-s6-oct-dec-2023-42.pdf) **(SCOPUS)**
- 21.** Nisarga Swami and **Nilam N Ghuge**,” Integration Of Distributed Renewable Energy Sources In Dc Microgrids: Enhancing Power Quality Using Artificial Neural Networks”, International Journal of Applied Engineering & Technology, Vol.5, Sr No. 4 (Dec 2023), pp. 4475-4487, ISSN No. 2633-4828 [ijet20v5-4-2023-449.pdf](https://www.romanpub.com/ijet20v5-4-2023-449.pdf) **(SCOPUS)**

**22.** Praveen K Sharma, **Nilam N Ghuge** and Anjana Tiwari,” Renewable Energy Potential Use In Solar –Powered Electric Vehicle Charging System With Vehicle –To- Grid Enabled Smart Technology”, Journal of Semiconductor Engineering, Vol. 43, Issue 1, pp. 194-205, ISSN No.1001-5868, 2024. [Journal of Semiconductor Engineering \(bdtgd.cn\)](http://www.bdtgd.cn) (SCOPUS Q4)

**23.** Dipak R. Nayak, **Nilam N. Ghuge**, A. G. Mohapatra, P. Sharma and N. Nayak,”Enhancing Industrial Operations through Integrated FBG Vibration sensors in Predictive Maintenance Decision Support Systems”, Journal of Propulsion Technology, Vol. 45, No.1, pp. 4304-4316, ISSN No. 1001-4055, 2024. [View of Enhancing Industrial Operations through Integrated FBG Vibration Sensors in Predictive Maintenance Decision Support Systems \(propulsiontechjournal.com\)](http://propulsiontechjournal.com) (SCOPUS Q3)

**24.** Praveen K Sharma, **Nilam N Ghuge** and Anjana Tiwari,”An Artificial Intelligence Application Use in Solar Energy System”, Journal of Propulsion Technology, Vol. 45, No.1, pp. 4265-4272, ISSN No. 1001-4055, 2024. [An Artificial intelligence Application Use in Solar Energy System | Tuijin Jishu/Journal of Propulsion Technology \(propulsiontechjournal.com\)](http://propulsiontechjournal.com) (SCOPUS Q3)

**25.** Dipak R. Nayak, **Nilam N. Ghuge**, A. G. Mohapatra, P. Sharma, N. Nayak, S. Satapathy and A. Khanna, “Identification of faults in rotating machines using high precision FBG vibration sensor: a case study on PM schemes”, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 36, No.1, pp. 535-547, ISSN No. 2502-4752. DOI: 10.11591/ijeecs.v36.i1.pp535-547. (SCOPUS Q3)

**26.** Dipak R. Nayak, **Nilam N. Ghuge** et all,” Enhancing fault detection and predictive maintenance of rotating machinery with Fiber Bragg Grating sensor and machine learning techniques”, **Springer Nature**, International Journal of Information Technology, Nov. 2024, <https://doi.org/10.1007/s41870-024-02256-4>. (SCOPUS)

## **17. Conference Proceedings:**

**1.****Nilam Ghuge**, Bhushan Patil, and Dr. L. M. Waghmare, “Compressed Domain Image Enhancement” In the Proceedings of National Conference on Bio-Medical & Process Instrumentation (BINCON-2005), pp 89-92, March, 19 – 20, 2005, RITS Damergidda, (A.P.), India.

**2.****Nilam Ghuge**, P.S. Arora, “ Iris Recognition System” In the Proceedings of National Conference on Recent Trends in Information Tech. Prospectus for Global India Brand, February 3-4, 2006, RITS Damergidda (A.P.), India.

**3.****Nilam Ghuge**, P. S. Arora and M. N. Agrawal, “Image Enhancement using Spatial Domain Tech. & Fuzzy Intensification Factor” In the Proceedings of IEEE International Conference on Recent Advancements And Applications of Computer in Electrical Engineering (RACE), March 24-25, 2007, Govt. Engineering College, Bikaner, India.

**4.**P. S. Arora, M. N. Agrawal and **Nilam Ghuge**, “ Development of Lab VIEW Based Parallel polymer Reactor& Its parameter” In the Proceedings of IEEE International Conference on Recent Advancements And Applications of Computer in Electrical Engineering (RACE), March 24-25, 2007, Govt. Engineering College, Bikaner, India.



5. **Nilam Ghuge** and P. S. Arora, “ Medical Applications of Robots : A Survey” In the Proceedings of IEEE International Conference ITNG 2008, at Las Vegas.
6. **Nilam Ghuge** and P. S. Arora, “Medical Nanorobotics & Nano medicine”, In the Proceedings of National Symposium on Instrumentation (NSI-33), Andhra University College of Engineering and Instrument Society of India IISc Bangalore, December 8-10, 2008, Visakhapatnam, India.
7. P. S. Arora, **Nilam Ghuge** and Dr. B. D. Shinde “Comparative Study of Spatial Domain Techniques and Fuzzy Intensification Factor for Image Enhancement” In the Proceedings of IEEE International Conference on Graphic and Image Processing, ICGIP 2010, pp 92-95, December 4-6, 2010, Manila, Philippines IEEE Catalog Number: CFP1083L-PRT, ISBN:978-1-4244-9016-5.
8. **Nilam Ghuge** , “4G – A Real Time Technology” In the Proceedings of National Conference, Manthan, February 16-17, 2011, Sinhgad Management School, Kondhapuri, Pune, India, ISBN : 978-93-5024-769-3.
9. **Nilam Ghuge**, P. S. Arora Bhalotra and B. D. Shinde, “CBIR using Histogram & Directional Gabor filtering: A comparative Approach”, In the Proceedings of International Conference on Innovative Technologies in Engineering and Sciences, VVP ITES-2012, Gujarat Technological University Ahmedabad and V. V. P. C. O. E. Rajkot, pp. 473-476, Dec 2012, ISSN: 0975-4202.
10. **Nilam Ghuge** and Bhushan Patil, “Content Based Image Retrieval Using Radon Projection Approach”, In the Proceedings of CSI 2013: **Advances in Intelligent Systems and Computing, Springer**, Volume 249, pp 145-153, 2014. ISBN:978-3-319-03095-1.
11. **Nilam Ghuge** and Bhushan Patil, “Image Data Mining Based on Ridgelet Features”, In the Proceedings of Second International Conference on Applied Information and Communication Technology, **Elsevier Publication**, pp. 292-297, April 28-29, 2014, Middle East College, Muscat, Oman. ISBN:978-935-107-2850.
12. S. Dhandare, S. Gadge, A. Gune, **N. N. Ghuge**, “Analysis of 1KW Solar Roof Top System”, In the Proceedings of International Conference on Communication and Information Processing, ICCIP-2019, **Elsevier-SSRN**, NCOER, Pune, May 17-18, 2019.  
**SSRN: <https://ssrn.com/abstract=3418469> OR <http://dx.doi.org/10.2139/ssrn.3418469>**
13. S. Bodke, D. Patil, R. Salgar, **N. N. Ghuge**, ”Application of VFD For Three Phase Induction Motor”, In the Proceedings of the Second International Conference on Communication and Information Processing, ICCIP-2020, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2020.  
**SSRN: <https://ssrn.com/abstract=3645305> OR <http://dx.doi.org/10.2139/ssrn.3645305>**
14. M. Gavande, S. Yashwad, D. Gaikwad, **N. N. Ghuge**, ”Automatic Water Reading and Billing System by GSM Module”, In the Proceedings of the Second International Conference on Communication and Information Processing, ICCIP-2020, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2020.  
**SSRN: <https://ssrn.com/abstract=3645321> OR <http://dx.doi.org/10.2139/ssrn.3645321>**
15. P. Poghan, S. Suryawanshi, P. Katke, **N. N. Ghuge**, ”GSM Based Polyhouse Farming and Controlling using Bidirectional Pump”, In the Proceedings of the Second International Conference on Communication and Information Processing, ICCIP-2020, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2020.  
**SSRN: <https://ssrn.com/abstract=3645345> OR <http://dx.doi.org/10.2139/ssrn.3645345>**

**16.** M. Borole, A. Bansode, A. Kachave, **N. N. Ghuge**, "Modelling of DC-DC Converter for Solar Based Electric Vehicle", In the Proceedings of the Third International Conference on Communication and Information Processing, ICCIP-2021, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2021.

**SSRN:** <https://ssrn.com/abstract=3916372> OR <http://dx.doi.org/10.2139/ssrn.3916372>

**17.** **N. N. Ghuge**, V. Dandge, K. Bari, M. Kulkarni, "IoT Based Battery Management System for Electric Vehicles", In the Proceedings of the Third International Conference on Communication and Information Processing, ICCIP-2021, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2021.

**SSRN:** <https://ssrn.com/abstract=3917899> OR <http://dx.doi.org/10.2139/ssrn.3917899>

**18.** **N. N. Ghuge**, A. Chavan, R. Gaikwad, K. Kale, "Forest Fire Detection Using Arduino Based WSN", In the Proceedings of the Third International Conference on Communication and Information Processing, ICCIP-2021, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2021.

**SSRN:** <https://ssrn.com/abstract=3918412> OR <http://dx.doi.org/10.2139/ssrn.3918412>

**19.** K. Mahabare, A. Munde, S. Sathe, **N. N. Ghuge**, "IoT Based Monitoring and Controlling of 11KV Substation", In the Proceedings of the Third International Conference on Communication and Information Processing, ICCIP-2021, **Elsevier-SSRN**, NCOER, Pune, June 26-27, 2021.

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**STRENGTH:** Active, Dynamic, Sincere & Honest with Result oriented hardworking nature.

*I the undersigned here by declare that the above given information by me is true to the best of my knowledge and belief.*

Place: Pune

Date:

Nilam N. Ghuge