



**I. Name : Ms. Jagtap Sarika Madhukar**

**II. Contact Details:**

- a. **Office Address:** Department of Electronics & telecommunication Engineering  
NDMVPS's Karmaveer Adv. B. G. Thakare College of Engineering  
Udoji Maratha Boarding Campus, GangapurRoad,  
Nashik- 422013.  
Phone: 0253-2571439.
- b. **Residential Address:** C/O M. B. Giramkar, A-1, Dream Royal, Deep Nagar, F/O Vijay-mamta  
Nasik road, Nasik-422006  
Mail: - [jagtap.sarika@kbtcoe.org](mailto:jagtap.sarika@kbtcoe.org)  
Mob: - 9421444477, 9422464770.

**III. EDUCATIONALDETAILS:**

Sr. No.	Degree	University	Year of Passing	Class	Percent age
1.	Ph.D. (E &TC)	Sandip Indtitute of Technology & Research Center, Nashik. Savitribai Phule Pune University	Pursuing	Pursuing	
2	M.E. (Electronics)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2008	First	65.00 %
3.	B. E. (Electronics)	North Maharashtra University, Jalgaon.	2001	First	65.55 %
4.	Diploma in Industrial Electronics	Government Polytechnic Aurangabad	1998	Distinction	75.00 %

**IV. EXPERIENCE: Total Teaching Experience: 14Yrs.**

Sr. No.	Name of institute	Designation	Period	
			From	To
1	NDMVP Samaj's Karmaveer Adv. B. G. Thakare College of Engineering, Gangapur Road, Nashik- 422013.	Assistant Professor Dept. of E&TC Engineering.	01 Sept 2011	Till date
2	NDMVP Samaj's Karmaveer Adv. B. G. Thakare College of Engineering, Gangapur Road, Nashik- 422013	Senior lecturer Dept. of E&TC Engineerin.	1 July 2009	31 Aug 2011
3	NDMVP Samaj's Karmaveer Adv. B. G. Thakare College of Engineering, Gangapur Road, Nashik- 422013.	Lecturer Dept. of E&TC Engineering.	20 July 2007	30 June 2009
4	K. K. Wagh College of Engineering, Amrutdham, Panchavati, Nashik-422003.	Lecturer Dept. of E&TC Engineering.	09 Jan 2007	31 May 2007
5	Maharashtra Academy of Engineering Alandi, Pune	Lecturer Dept. of E&TC Engineering.	02 Jun 2007	18 July 2007
6	TernaMahavidyalaya Osmanabad	Lecturer Dept. of E&TC Engineering.	16 Aug 2005	19 Jan 2006
7.	Bill Gate Institute of Computer Management Osmanabad	Lecturer Dept. of E&TC Engineering.	01 Jun 2004	31 July 2005
8	Industry Experience	Supervisor at Powercon Electro Systems Aurangabad	January 2002	July 2004

#### V. Membership of Professional Institutions

1. The Indian Society for Technical Education (ISTE): LifeMember.

#### VI. Number of Seminar, Workshop and Short term Training Programme attended: 96

#### VII. Paper Published:

1. Jagtap Sarika Madhukar , Gond Vitthal Janardan “ Enhancement Of Short Channel Effect And Drain Induced Barrier Lowering In Fin-FET ” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020 DOI: 10.35940/Ijitee. G6007.059720 Published By: Blue Eyes Intelligence Engineering & Sciences Publication.
2. Chapter in Smart Innovation, Systems and Technologies, Vol. 224, SMART COMPUTING TECHNIQUES AND APPLICATIONS, 978-981-16-1501-6, 508706\_1\_“Device Design of 30 and 10 nm Triple Gate Single Finger Fin-FET for on Current (ION) and off Current (IOFF) Measurement” DOI : [https://doi.org/10.1007/978-981-16-1502-3\\_80](https://doi.org/10.1007/978-981-16-1502-3_80), Publisher Name Springer, Singapore Print ISBN978-981-16-1501-6 Online ISBN : 978-981-16-1502-3.
3. S.M. Jagtap, V.J. Gond “ Bulk Fin-FET Strategy At Distinct Nanometer Regime For Measurement Of Short-channel Effects “ Moscow 9535» Semiconductors, Received: October 5, 2020. Revised: October 5, 2020. Volume 55 Issue 5 (May), 2021. <https://www.springer.com/journal/11453>.
4. S.M. Jagtap, Dr. V.J. Gond "Modeling of 7 Nano Meter Fin Field Effect Transistor for Evaluation of Fringe & Oxide Capacitance" Walailak Journal of Science and Technology (WJST) .
5. S.M. Jagtap, Dr. V.J. Gond ” "Performance Parameter Evaluation For 7nm Fin-FET Technology by Tuning Metal Work Function & High K Dielectrics Material,"" issue of the International Journal of Natural Computing Research (IJNCR)
6. Sarika M . Jagtap and Vitthal J. Gond “Study The Performance Parameters Of Novel Scale FIN-FET Device In Nm Region “ International Conference Of Electronics, Communication And Aerospace Technology (ICECA 2017) “ Date Added To IEEE *Xplore*: 18 December 2017 INSPEC Accession Number: 17448281 DOI: 10.1109/Iceca.2017.8203720 (Available on IEEE*Xplore*).
7. Presented a paper on “Development Review on Smart Grid & Its applications “in International conference on Recent Trends in Engineering & Technology ICRTET-2014, organized by SNJB of Engineering Chandwad during 28-30 March 2014. (ElsewherePublication).
8. Presented a paper On Role of SIP in Mobility Management For ICRTITCS-2012 at Thakur College of Science and Commerce, Mumbai during 17-18 Dec.2012
9. Wireless Sensor Network for Monitoring Biomedical Signals.For ICRTITCS-2012 at Thakur College of Science and Commerce, Mumbai during 17-18 Dec.2012.
10. Presented a paper on “Control of Voltage Source Inverter using PWM/SVPWM” at KKWAGH COE, NASHIK at national Conference on Electronics & Telecommunication during 25<sup>th</sup> -27<sup>th</sup> December 2010

11. Presented a paper on “Control of Voltage Source Inverter using PWM/SVPWM” at KKWAGH COE, NASHIK at national Conference on Electronics & Telecommunication MVP-NCEC-2010 during 25<sup>th</sup> -27<sup>th</sup> March2010.
12. Presented a paper on “Spray Dryer Designing, Implementation & Writing Mathematical Equations for Educational application” at NDMVP KBTCOE, NASHIK at national Conference on Electronics & Telecommunication MVP-NCEC-2010 during 25<sup>th</sup> -27<sup>th</sup> March2010.
13. Presented a paper on “Concise Modulation Techniques for 3 Phase Four Leg Voltage Source Inverter NDMVP KBTCOE, NASHIK at national Conference on Electronics & Telecommunication MVP-NCEC-2010 during 25<sup>th</sup> -27<sup>th</sup> March 2010.
14. Presented a paper on “Control of Voltage Source Inverter using PWM/SVPWM” at KKWAGH COE, NASHIK at national Conference on Electronics & Telecommunication during 25<sup>th</sup> -27<sup>th</sup> December2010.
15. Presented a paper on “Wireless Data Transfer from Energy Meter” at IEEE International Advance Computing Conference during 6-7 March, 2009 organized by Computer Science & Engineering Department at PatialaPunjab.
16. Presented a paper on “PC based Energy Meter” in AISPC 09 during January 23-24, 2009 at NDMVPS’S College of Engineering,Nashik.
17. Presented a paper on “One Bit Detection and Correction Using VLSI” in International conference on “Emerging Techniques in Computing, Electronics, and Embedded System &VLSI Design “20-21 March 2008 organized by PadmashriDr.VitthalraoVikhe Patil College of Engineering organized by department of Electronics & Telecommunication Department, Ahmednagar.
18. Presented a paper on “Layout Design of 2-Bit Flash ADC Converter Using 120NM CMOS Technology” in International conference on “Emerging Techniques in Computing, Electronics, Embedded System &VLSI Design “ 20-21 March 2008 organized by PadmashriDr.VitthalraoVikhe Patil College of Engineering organized by department of Electronics & Telecommunication Department,Ahmednagar.
19. Presented a paper on “H.263 Video coding” in International conference on Emerging Techniques in Computing, Electronics, Embedded System &VLSI Design 20-21 March 2008 organized by PadmashriDr.VitthalraoVikhe Patil College of Engineering organized by department of Electronics & Telecommunication Department ,Ahmednagar.
20. Presented a paper on “Sky Mobile” in National Conference on Speech, Image& Video Processing during January 10-11, 2008 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

21. Presented a paper on “H.263 Video Coding” in National Conference on Speech, Image& Video Processing during January 10-11, 2008 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

### **VIII. Worked as a resource person, member of expert committee and administrative responsibilities**

1. Worked as member of university paper setting and evaluation at UG level of university examination.
2. Worked as Internal and External Senior supervisor at UG and PG level written university examination.
3. Worked as Coordinator of Application Receipt Center (ARC) of DTE for the centralized admission process of engineering students.
4. Worked as Assistant Cap Director at MVP KBTCOE for TE CAP.
5. Expert lecture series on Conducted at Matoshree COE, NASHIK from 12/07/2021 to 20/07/2021 on Principles of communication system [SE- SEM-II]
6. Expert lecture series on Conducted at Matoshree COE, NASHIK from 12/07/2021 to 20/07/2021 on Digital Communication [TE- SEM-II]
7. Worked as Reviewer for International Conference on Computing Science, Communication and Security (COMS2) Jan 2022held in Ganpat University, Mehsana, Gujarat, India.
8. Worked as Reviewer for Thakur college of Engineering and Technology is organizing its 13<sup>th</sup> annual Event of multiple conferences and workshops on 25<sup>th</sup> and 26<sup>th</sup> February 2022 popularly Known as MULTICON W.