

Faculty CV

1. Name of Faculty: Talele Kanchan Damodar
2. Present Position: Lecturer in Physics
3. Address : Flat No. 1, Panchratna Apartment,
Govindnagar, Nashik
4. Mobile No. : 9730127469
5. E-Mail Id : k_talele@yahoo.co.in, kdtalele@gmail.com
6. Date of Birth : 15/07/1979

QUALIFICATIONS:

Sr. No.	Examination	Institute	Board/ University	% of Marks	Class Award	Remark
01	SSC	S. S.G. Patil, Madyamik Vidyalay, Jalgaon	Nashik Board	81.41	First class	
02	Deploma in Comp. Engg	Government Polytechnic, Jalgaon	MSBTE Board	56	Second Class	
03	B.Sc	Dr. G. D. Bendale Mahila Mahavidyalaya, Jalgaon	North Maharashtra University	77.26	First class	III rd Rank
04	M.Sc.	Department Of Electronics, North Maharashtra University	North Maharashtra University	73.4	First class	II rd Rank
05	Ph. D	Department Of Electronics, North Maharashtra University	Department Of Electronics, North Maharashtra University			

DETAILS:

Sr. No.	Organization	Designation	Duration	Period	Work Done in Brief
01	Government Polytechnic, Ahmednagar	Lecturer in Physics	3 yrs 5 month	31/01/2012 To 28/07/2015	Teaching
02	Government Polytechnic, Nashik	Lecturer in Physics	Till Date	29/07/2015 to Till Date	Teaching

SPECIALIZED TRAINING COURSES ATTENDED:

Sr. No.	Course Name	Duration		Place /Training Agency	Remarks
01	Induction Phase-I	17 Sept 2012	28 Sept 2012	NITTTR, Pune	2 weeks
02	Induction Phase-II	4 march 2013	15 march 2013	NITTTR, Pune	2 weeks
03	ISTE training on Data-base management system	21 May 2013	31 May 2013	IIT, Bombay, COEIT, Jalgaon	2 weeks
04	TEQIP-STTP, Soft Computing Tools & its Applications in Engg	3 June 2013	7 June 2013	College of Engineering, Aurangabad	1 week
05	TEQIP-STTP, Network Security	7 October 2013	11 October 2013	College of Engineering, Aurangabad	1 week
06	Nano-Technology and its Applications	14 July 2014	18 July 2014	Government Polytechnic, Nashik	1 week
07	Outcome Based Curriculum Development	11 June 2018	15 June 2018	NITTTR, Pune	1 week

WORK DONE IN THE AREA OF TECHNICAL EDUCATION

G. P Nashik Curriculum Development for applied Physics

G. P. Nashik Laboratory Manual Development for Applied Physics

WORKSHOP/ COMPETITION ARRANGED:

OTHER WORK

In IEDSSA committee member

MS-CIT controller in Ahmednagar

Coordinator, Science and Humanities Department

CULTURAL ACTIVITIES**SIGNATURE**

Publications:

Journals:

1. **Kanchan Talele**, D.S.Patil, E.P.Samuel, Ulhas S. Sonawane, "Self-consistent analysis of electron transport in GaN/AlGa_N super lattice nanostructure for light emission", *Optik-International Journal for Light and Electron Optics*, 127 (2016) 7374–7381.
2. **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Analysis of carrier transport properties in GaN/Al_{0.3}Ga_{0.7}N Multiple Quantum well nanostructures", *Optik-International Journal for Light and Electron Optics*, 122 (2011) 626–630.
3. **K. Talele**, E.P. Samuel, and D. S. Patil, "Investigation of Near Field Intensity in GaN MQW in 300-375 Nanometer Wavelength Ranges", *Journal of Electromagnetic Waves and Applications*, Vol. **22**, 2008, 1122-1130.
4. **Kanchan Talele**, D. S. Patil, "Analysis of Wave Function, Energy and Transmission Coefficients in GaN/AlGa_N Superlattice Nanostructures" *Progress in Electromagnetic Research*, Vol. **81**, 2008, 237–252.
5. **K. Talele**, D. S. Patil, "Computation of Optical Field Intensity in Nitride Based Superlattice Nanostructures for Temperature Range (300-370 K)" *Optoelectronics and Advanced Materials – Rapid Communications*, Vol. 2 No. 7, 2008, 418 – 423.
6. **Kanchan Talele**, D. S. Patil, "Exploration of Electron Confinement In Multiple Quantum Well Using III-V Semiconductor Materials", *Materials Science Research INDIA*, Vol. **5**, No.1, 2008, 193-4.
7. Smruti Motarwar, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Hole-Phonon Scattering Mechanism In III-V Semiconductor Multiple Quantum Wells", *Materials Science Research INDIA*, Vol. **5**, No.1, 2008, 203-4.
8. Kailas Parande, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Analysis of Electron Transport Phenomena In Quantum Well Laser Diode", *Materials Science Research INDIA*, Vol. **5**, No.1, 2008, 187-8.
9. **K. Talele**, E. P. Samuel, D. S. Patil, "Carrier transport studies and scattering mechanism in GaN/AlGa_N superlattice for high speed lasers", *Optoelectronics and Advanced Materials – Rapid Communications*, Vol. **1**, No.11, 2007, 576-572.
10. **K. Talele**, D. S. Patil, "Quantum confinement and electron capture analysis in GaN multiple quantum well structures", *Optoelectronics and Advanced Materials – Rapid Communications*, Vol. **1**, No.12, 2007, 693-697.
11. E. P. Samuel, **K. Talele**, U.Zope, D. S. Patil, "Semi-classical analysis of hole capture in Gallium Nitride quantum wells", *Optoelectronics and Advanced Materials – Rapid Communications*, Vol. **1**, No.5, 2007, 221-226.
12. **Kanchan Talele**, Carbon Nanotubes ,IACQER, Advances Research Laboratory for Nanomaterials and Devices, 8-11, www.iacqer.com
13. Kanchan Talele, Edmund Samuel, D. S. Patil, Analysis of near field intensity of ZnO based superlattice nanostructure, Special issue, 55-56, 2010.

Conferences:

1. **Kanchan Talele**, Ulhas Sonawane, E. P. Samuel, D. S. Patil, "Analysis of optical and electrical properties of superlattice nanostructure", ICNB-10, Visakhapatnam.
2. Ulhas Sonawane, E. P. Samuel, **Kanchan Talele**, Ujwala Zope, D. S. Patil, "Investigation of electron properties in quantum wire nanostructure", International

Conference on Nanotechnology and Biosensors held at Raghu Engineering college, Visakhapatnam, Andhra Pradesh, Jan. 2010.

3. **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Effect of applied bias voltage on the threshold current in III-V quantum well nanostructures", IWPSD-2009 at Delhi.
4. **K. D. Talele**, Ulhas Sonawane, E. P. Samuel, and D. S. Patil, "Analysis of Electrical and Optical Properties of Superlattice Nanostructure", National Laser Symposium-09 at BARC, Mumbai.
5. E. P. Samuel, Ulhas Sonawane, **Kanchan Talele**, Ujwala Zope, H. P. Badhane, D. S. Patil analysis Of Strain And Piezoelectric Effect In Quantum Wires, ICMOT-2010, at Narsapur.
6. Ulhas S. Sonawane, E. P. Samuel, **Kanchan Talele**, Ujwala Zope, D. S. Patil, Investigation of electron Properties in Quantum wire Nanostructure", ICNB-10, Visakhapatnam.
7. Ulhas S. Sonawane, E. P. Samuel, **Kanchan Talele**, D. S. Patil, Investigation of mole fraction dependence of Quantum wire using Kronig Penny model National Laser Symposium09 at BARC, Mumbai.
8. **Kanchan Talele**, Edmund P. Samuel, Dnyaneshwar S. Patil, "Analysis of Optical and Electrical Properties of Nitride Based Superlattice nanostructures at 375 Nanometer Wavelength", SAMPADA 2008, Pune, India.
9. **Kanchan Talele**, S. A. Gaikwad, D. S. Patil, "Quantum Confinement Analysis of Nitride Based Multiple Quantum Well", Photonocs-2008 at Delhi.
10. **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Exploration of electron confinement and transport phenomenon using transfer matrix method", International conference on Transport and optical Properties of Nanomaterials -08, Allahabad, 2008.
11. D. S. Patil, **Kanchan Talele**, E. P. Samuel, Ujwala Zope, "Analysis of wave function intensity in complex quantum structures of GaN/AlGaIn" International Conference on Quantum Nano and Microtechnologies, French Caribbean, France, 2007.
12. **Kanchan Talele**, D. S. Patil, "Analysis of Near Field Intensity of Multiple Quantum Well Structure based Ultra Violet Laser Diode", 7th DAE-BRNS National Laser Symposium(NLS-07) at Vadodara.
13. **Kanchan Talele**, D. S. Patil, "Analysis of Electronic Confinement and Optical Phonon Scattering in GaN Quantum Nanostructures", C. V. Raman Memorial Seminar, 2007, Jalgaon.
14. **Kanchan Talele**, D. S. Patil, "Theoretical Analysis of Longitudinal Optic Phonon Scattering in GaN Quantum Well using Fermi-Golden Rule", XXXI Optical Society of India(OSI) Symposium on Contemporary Optics and Applications at Vadodara, 2007.
15. **Kanchan Talele**, D. S. Patil, "Wave Function Analysis of Multiple Quantum Well Laser Diode Using Transfer Matrix Method", National Seminar on Material Science in Electronic Industry, Goa, 2007.
16. Kailas Parande, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Investigation of Electron Demeanor in Quantum Well Laser Diode Using Schrödinger Model", National Seminar on Material Science in Electronic Industry, Goa, 2007.
17. **Kanchan Talele**, Ujwala Zope, E. P. Samuel, D. S. Patil, "Analysis of threshold current density in Quantum Cascade Lasers", National Seminar on Interdisciplinary Applications of Electronics, 2006, Chopada.

18. Mangesh Patil, Ujawala Zope, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Analysis of Carrier Density and Wave function Intensity in Coupled Quantum Dot system", NLS-2006 at Indore.
19. Ujawala Zope, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Exploration of Near and Far field intensities in embedded quantum dot heterostructure at 375 nanometer wavelength", Photonics -2006, Hyderabad.
20. **Kanchan Talele**, Ujawala Zope, E. P. Samuel, D. S. Patil, " Analysis of threshold current density in Quantum Cascade Lasers", National Seminar on Interdisciplinary Applications of Electronics NSAIE-2006, pp. 60, 2006.
21. Ujawala Zope, **Kanchan Talele**, E. P. Samuel, D. S. Patil, "Error Analysis of various computational methods to obtain reliable solution of dynamic wave function in Quantum dots", National Seminar on Interdisciplinary Applications of Electronics NSAIE-2006, pp. 61, 2006.
22. Ujawala Zope, **Kanchan Talele** and D. S. Patil, "Effect of Quantum Dot Size on Various Physical parameters of Gallium Nitride Quantum Dots", C. V. Raman Memorial Seminar RMS-2006, pp. 11, 2006.
23. **Kanchan Talele**, Dnyaneshwar S. Patil and D.K. Gautam, "Aluminum concentration and temperature dependence of bandgap of AlGaIn/GaN material", Proceedings Optics and photonics in Engineering, 2003, New Delhi, India.