RESUME

Dr. Jayashree Vivekanand Khanapuri

Official Address:

Professor (Electronics & Telecommunication Department)
K J Somaiya Institute Of Engineering & Information Technology
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Career Objective:

- To keep up with the cutting edge of technologies.
- To use my skills in the best possible way for achieving the objective of the Institute
- To solve problems in effective and creative manner in a challenging position.
- To enhance my professional skills in a dynamic and fast paced workplace.

Education Qualification:

Sr. No.	Degree	University/ Board	%of Marks /Division	Year of passing	Specialization
1	SSC	Higher Secondary Board, Bangalore	77.66% Distinction	1985	_
2	HSC	Pre – University Board, Bangalore	77.67% Distinction	1987	_
3	B.E	Karnataka University, Dharwar, Karnataka	65% (First Class)	1991	Electronics & Communication

4	M.E.	Karnataka University, Dharwar, Karnataka	75.3% (Distinction)	1997	Digital Electronics
5	PhD	Visvesvaraya Technological University Belgum, Karnataka		2015	Electrical & Electronics Engineering Sciences

Teaching /Research Experience : 16 Years 8 months

Research/Industry Experience: 3 years 8 months

Sr. No	Project Title	Project code	Post	duration	Employer
1	Map guided analysis of Multi-resolution microwave and optical remotely sensed images	93 DS 025	Research Associate	09/09/1996 To 06/03/1997	CSRE, IIT, Bombay
2	Analysis of stereo images from IRS-1C to generate Digital Elevation Model	96 IS 006	Research Associate	10/02/1998 To 28/02/2000	CSRE, IIT, Bombay
3	SAR interferometry for Topography and Earth Surface Movement	94 IPS 004	Research Associate	01/03/2000 To 31/08/2000	CSRE, IIT, Bombay
4	Analysis of High resolution Urban scenes from IRS-1C/1D using Computer Vision Techniques	99 IS 001	Research Associate	01/09/2000 To 31/01/2001	CSRE, IIT, Bombay
5	Power Factor Improvement for AC inverter coaches		Senior Research Executive	01/02/2001 To 31/03/2001	Crompton Greaves Pvt Ltd., Kanjurmarg, Mumbai

Teaching Experience: 19 years

College Name	Department	Post	Date of Joining	Date of Leaving
St. Francis Institute of Technology, Borivli(W)	Electronics and Telecommunication	Lecture (Adhoc)	November 2001	February 2002
K J Somaiya College of Engineering, Vidyavihar	Electronics and Telecommunication	Lecturer (Adhoc)	14th February 2002	4th September 2002
K. J. Somaiya	Electronics and	Lecturer	05th Sept. 2002	_

Institute of Engineering and Information Technology, Sion, Mumbai	Telecommunication			
	Electronics and Telecommunication	Assistant Professor	20th Nov. 2004	_
	Electronics and Telecommunication	Associate Professor	20th Nov 2009	Till Date

Administrative Experience:

Total: 13 Years

College Name	Post	Activity
K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.	Head(EXTC), KJSIEIT	• Regular monitoring of Lectures & Practical • Organized STTPs/FDPs • Organized Guest Lectures/Seminars • Organized Remedial classes to failure students to improve their results • Annual Stock verification & Annual Academic Report of the Department • Set up & up gradation of Labs as per the requirement of syllabus • Four students secured Ranks below 100 in Final year For Examinations Held under Mumbai University • Paper Setter for University of Mumbai/Other Universities
	Dean (Academics), KJSIEIT	• Academic monitoring of Lectures & Practical (Teaching plan, Lab Plan) • Preparation of academic calendar in each semester with the provision for • Timetable convener with provision of sessions for T&P, Guest lecture/ Remedial Lectures. • Term Test coordination • Feedback coordination • Discussion with teaching staff members about the feedback • Attended Academic Grievance of Staff & Students • Helped in the preparation of LMC & GB reports • Helped in the Conduction of interviews of faculty (i e Scrutiny, Preparation of Summary Sheet) • Represented institute in the selection of student council of every year • Assisted in the KJSIEIT Helping Hand that helps by providing monitory benefit to poor & needy students
	Dean (Student Welfare), KJSIEIT	• Conducted Selection of Student Council 2015 • Sharing information to students regarding Scholarships, Co-curricular & Extra-curricular Activities of Other institutes • Attended & solved the grievance of students

		- Coordinated for sending the students for Summer Internships out of India - Motivated & coordinated the students for utilize the E-waste to enhance the beauty of the garden with their innovation - Coordinated conduction of Intercollegiate Sports & Cultural Festival (Score & Surge 2015) - Coordinated the conduction of E-Week activities for 2015 - Coordinated the conduction of different workshops & seminars under Student Council for the academic year 2014-15 - Coordinated the conduction of Inter Collegiate Technical Festival Renaissance – 2015 - Coordinated & Organized Ganesh Festival in the institute in 2015 - Coordinated Fresher's party to the newly admitted Students (FE & Direct SE year diploma students) for the academic year 2015-16 - Coordinated & conducted the celebration of International Yoga day & Sadbhavana Diwas for the year 2015
	Other Institutional Activities	- Led the department in NAAC Accreditation - Scrutiny Team coordinator/Member for screening of application for Professor/Associate Professor /Assistant Professor - Coordinated and carried out the DTE inspection for Academic approval for the academic year 2014-15 - Coordinated the activity of preparing & displaying Anti Ragging Banners and online filling of anti-ragging affidavit for the academic year 2014-15 - Coordinated for benchmarking of the institute for ranking in the pick a college website for the academic year 2014-15 - Preparation of policy for the industrial visit - Coordinated and carried the verification of stock & disposal of scrap of the institute for the academic year 2014-15 - Carried out the verification of Laptops & Projectors of the institute for the academic year 2014-15 - Coordinated as Chairman Unfair Means Committee for 2013-2014 & 2014-2015 - Coordinated with Institution of Engineers, India for opening Student Chapter in all the departments in the academic year 2014-15 - Worked as admission Coordinator for DSE admission 2009 - Worked as CAP Coordinator in 2007

Short term Training Programs: 12

1. One-week Short Term Training Program on "*Micro controller and Embedded Programming* "from 23rd to 28th February, 2004 K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai.

2. ISTE approved one week STTP on *"Digital Communication* "from January to April 2006 at K J Somaiya College of Engineering, Vidyavihar, Mumbai

3. ISTE approved one week STTP on *"Microwave Integrated Circuit Design*" from 8th

January to 14th January 2007 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai.

4. ISTE approved Two week STTP on *"Image, Audio & Video Data Compression"* from 7th January to 18th January 2008 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

5. ISTE approved one week STTP on *"Neural Network and Fuzzy System"* from 4th January to 8th January 2010 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai.

6. ISTE approved one week STTP on *"Mobile Technology: Current Trends and future directions "*from 31st May to 4th June 2010 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

7. ISTE approved one week STTP on *"Research Methodology & Related Open Source Tools"* from 17th December to 21st December 2012 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

8. ISTE approved Two week STTP on "*Wavelet & Machine Learning*" from 15th November 2016 to 25th November 2016 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

9. ISTE approved Two week STTP on "R programming – python, Perl" from 2th January 2018 to 7th January 2018 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

10. AICTE-ISTE and University of Mumbai approved One week FDP on Recent Trends and Development in Modern Antennas, RF and Microwave System In association with Entuple Technologies Pvt. Ltd, Bangalore from 01-07-19 to 06-07-19

11. AICTE-ISTE and University of Mumbai approved One week FDP on Machine Learning for Image, Audio and Video Analysis & IOT In association with Edux LABS with NSS IIT Roorkee from 09-12-19 to 14-12-19

12. One week online FDP on R programming organized by PVPPCOE, Mumbai in association with Spoken Tutorial, IITB, Mumbai from 27/04/2020 to 02/05/2020

Seminars/Workshop attended: 08

1. Two days' workshop on "*Unix Workshop*" Organized by Computer Science and Engineering Department IIT Bombay on 24th & 25th August 1996.

2. Advanced Course in "*SAR Interferometry Technology & Application*" held from 29th March to 11th April 2000 organized by Centre Of Studies For Resources Engineering (CSRE), IIT Bombay.

3. One-day Technical Seminar on *"Railway Signaling & Communication System"* held on 10th April 2002 organized by K J Somaiya College of Engineering, Vidyavihar, Mumbai

4. One-day Technical Seminar on *"Computer Communications"* held on 19th October 2002

organized by Electronics & Telecommunication Department of K J Somaiya Institute of Engineering & Information Technology, Sion Mumbai

5. Two-day Technical Seminar on *"Mobile Cellular System & Wireless LAN"* held on 30-31st July, 2004 organized by Electronics & Telecommunication Department of K J Somaiya Institute of Engineering & Information Technology, Sion Mumbai

6. *"Workshop on OrCAD* "held in January 2005 at K J Somaiya Institute Of Engineering & Information Technology, Sion, Mumbai.

7. One-day Technical Seminar on *"Introduction to Modern Data Communication"* held on

4th February, 2005 organized by K J Somaiya Institute of Engineering & Information Technology, Sion Mumbai

8. FDP on Network Simulator 2 for wireless communication (NS2) held frpm 01/03/2019 to 02/03/2019 organized by EXTC department K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

International Journals: 15

1. *"Digital Image Watermarking Through Encryption and DWT for Copyright Protection",* pp 187-195, January 2019In book: Recent Trends in Signal and Image Processing Print ISBN 978-981-10-8862-9 Publisher Name Springer, Singapore

2. *"Wavelet Transform Domain Methods for Resolution Enhancement of Satellite Images"* Springer proceedings of 3rd ICACIE 2018 at Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, India.

3. "*Comparative Study of Wavelet Methods for Resolution Enhancement of Satellite Images*", Advances in Wireless and Mobile Communication (AWMC) Volume 11, Issue 1, ICAST-2018 KJSIEIT, Mumbai

4. "*A Comparative Study of Different Similarity Measures for Texture Based Color Image Retrieval*", International Journal of Computational Intelligence Research (IJCIR), Volume 14, Issue 1, ICAST-2018, KJSIEIT, Mumbai

5. "*Efficient Method of Hemorrhage Detection for Diabetic Retinopathy*", Advances in Wireless and Mobile Communication (AWMC), Volume 11, Issue 1, ICAST-2018, KJSIEIT, Mumbai,

6. *"Smart Shopping System*", International Journal of Computational Intelligence Research (IJCIR), Volume 14, Issue 1, ICAST-2018, KJSIEIT, Mumbai

7. *"Computer Vision Based automatic Gate System for Security"* , International Journal for Scientific Research * Development, volume 5, Issue 1. March 2017.

8. *"Resolution Enhancement of Satellite Image using DCT and DWT*", Asian Journal of Convergence in Technology Volume III, Issue III, ISSN No.:2350-1146, January 2017

9. *"Detection of Diseases in Human Eye"* International Journal of Scientific and Engineering Research IJIRSE, Volume 07, Issue 02, 2015

10. *"Image Enhancement using pixel to adjust the range of the pixels"* International Journal of Engineering Research and Application, ISSN: 2248-9622, Volume 4, Issue 12, December 2014, pp 188-191

11. *"An efficient approach for Color Image Retrieval using Dual Tree Complex Wavelet and Dual Tree Rotated Complex Wavelet using fuzzy similarity measure* "published in the proceedings of Elsevier at International Conference on Recent trends in Engineering and Technology (ICRTET-

2014), 27-28 March, 2014

12. *"F-Norm based Color Image Retrieval with Selective Relevance Feedback"*, International Journal of Computer Applications 67(22):38-42, April 2013. Published by Foundation of Computer Science, New York, USA.

13. *"Complex Wavelet based color Image retrieval with Relevance Feedback"*, Vol 2, Issue 4, International Journal of Engineering Research & Technology(IJERT), (ISSN: 2278-0181), pp. 2561-2566, April 2013

14. *"A Novel Approach for Color Image Retrieval Using Complex Wavelets and Color Descriptors"*, International. Journal of Advanced Computing ISSN: 2051-0845, Vol 46, Issue 2, pp. 1235 -1240, April 2013.

15. *"Efficient color Image retrieval with selective relevance Feedback"*, published in Springer-Verilog of International Conference on VLSI, Communication, Advanced Devices, Signal & systems and networking - 2013(VCASAN -2013), July 17-19, 2013.

16. *"An Efficient Method for Compressed Domain Image Retrieval Using Statistical Approach "International* Journal of Research & Reviews in Computer Science; Vol. 2 Issue 2, p443, March 2011

National & International Conferences: 27

1. "Autonomous Vehicle" ,held on 7th & 8th April 2020 organized by ICAST-2018 KJSIEIT, Mumbai

2. "Intelligent Voice Assistant", held on 7th & 8th April 2020 organized by ICAST-2018 KJSIEIT, Mumbai

3.

4. "*Comparative Study of Wavelet Methods for Resolution Enhancement of Satellite Images*", Advances in Wireless and Mobile Communication (AWMC) Volume 11, Issue 1, ICAST-2018 KJSIEIT, Mumbai

5. "*A Comparative Study of Different Similarity Measures for Texture Based Color Image Retrieval*", International Journal of Computational Intelligence Research (IJCIR), Volume 14, Issue 1, ICAST-2018, KJSIEIT, Mumbai

6. "*Efficient Method of Hemorrhage Detection for Diabetic Retinopathy*", Advances in Wireless and Mobile Communication (AWMC), Volume 11, Issue 1, ICAST-2018, KJSIEIT, Mumbai,

7. *"Smart Shopping System*", International Journal of Computational Intelligence Research (IJCIR), Volume 14, Issue 1, ICAST-2018, KJSIEIT, Mumbai

8. *"Satellite Image Resolution Enhancement by DWT & DWT with SWT" International Conference on Nascent Technologies, ICNTE-2017, January 2017*

9. *"A Comparative Study of Transform Domain Methods for Image Resolution Enhancement of Satellite Image"* 11th International Conference on Intelligent Systems and Control (ISCO), 5-6 January 2017

10. *"A novel approach for image Enhancement using pixel to adjust the range of the pixels"* International Conference on Advances in Science & Technology (ICAST – 2014), Saraswati College of Engineering, Mumbai, 11-12 November,2014.

11. *"An Efficient Fuzzy based approach with Dual Tree – Rotated Complex Wavelet and Fuzzy histogram using Selective Relevance Feedback* "IEEE's International Conference for Convergence of Technology (I2CT-2014), Sharatchandra College of Engineering, Otur, 6-8 April, 2014

12. *"An efficient approach for Color Image Retrieval using Dual Tree Complex Wavelet and Dual Tree Rotated Complex Wavelet using fuzzy similarity measure"* at International Conference on Recent trends in Engineering and Technology (ICRTET-2014), S B Jain College of Engineering, Chandwad, 27-28 March,

2014.

13. *"Novel Approach for Color Image Retrieval Using Fuzzy Color Histogram"*, International Conference on Advances in Communication and Computing

Technologies – 2013 (ICACACT '13), Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Sion, August 10-11, 2013.

14. *"Efficient color Image retrieval with selective relevance Feedback",* at *International Conference on VLSI, Communication, Advanced Devices, Signal & systems and networking -2013(VCASAN -2013)*, B N M Institute of Technology, Bangalore, July 17-19, 2013

15. *"A Rule Based Approach to Image Retrieval"*, International Conference on New Development and Challenges in Engineering, Technology and Management (ICNDCETM -2012), Yadavrao Tasgaonkar Group of Institutes, March 22, 2012.

16. *"Efficient image enhancement in compressed domain",* International Conference on New Development and Challenges in Engineering, Technology and Management, (ICNDCETM -2012), Yadavrao Tasgaonkar Group of Institutes, March 22, 2012.

17. "*Efficient Image Retrieval in compressed domain*", International Conference on New Development and Challenges in Engineering, Technology and Management, (ICNDCETM -2012), Yadavrao Tasgaonkar Group of Institutes, March 22, 2012.

18. *"Removal of random valued impulse noise using adaptive centre weighted median filters and detail preservation method"*, International Conference and workshop on Emerging trends in Technology (ICWET – 2012), Thakur College of Engineering, Mumbai, February, 24 – 26, 2012.

19. *"Haar wavelet used with F-norm for image retrieval"*, National Conference on Innovations in Electronics, Computers & IT, Vidyalankar Institute of Technology, Mumbai, March 25-26, 2011.

20. *"Block Decomposition method for image retrieval in DCT domain"*, National Conference on Innovations in Electronics, Computers & IT, Vidyalankar Institute of Technology, Mumbai, March 25-26, 2011

21. *Emotion Sensing via face reading"* National Conference on Emerging Trends in Engineering & Technology, L R Tiwari College of Engineering, Mumbai, March 11, 2011.

22. *"Haar Wavelet: An efficient method for image retrieval*", National Conference on Emerging Trends in Engineering & Technology, L R Tiwari College of Engineering, Mumbai, March 11, 2011.

23. *"Selective Image Compression",* National Conference on Pervasive Engineering, Sinhgad College of Engineering, Pune, April, 9 - 10, 2010.

24. *"Performance Analysis of wavelets on Image compression"*, International conference on science, Engineering and spirituality (ICSES – 10), S E S College of Engineering, Navalnagar, April 1 – 2, 2010.

25. *"Microstrip -fed Microstrip Antennas Array "*, National Conference on Information and Communication Technology: New Horizons in Technology and Applications, D J Sanghvi College of Engineering, Mumbai, March 1-3, 2007.

26. *"Attacks & Preventions: An Overview",* National Conference on Recent Trends in Technology (RTIT – 06), J T Mahajan College of Engineering, Faizpur, November 20 -21, 2006.
27. *"TCP/IP and Security: An Overview"*, National Conference on Trends in Telecom Transmission: Copper to Fiber, K J Somaiya College of Engineering, Mumbai, March 17 – 18, 2006.

28. *"Image Processing Algorithm with Reduced Processing Time – An Embedded Solution"*, National Conference on Embedded Systems, February 25, 2006

29. *"Discrete Wavelet Transform Approach for Image Compression"*, National Conference on Information and Communication Technology: Recent Trends and Future Challenges (NCICT -06), February 24 – 26, 2006.

30. *"Sugeno Integral Approaches for Integration of Images"*, National Conference on Information and Communication Technology: Recent Trends and Challenges (NCICT – 2006), D J Sanghvi College of Engineering, Mumbai, February 24 - 26, 2006.

1. Other Professional Activities:

1. Reviewer for National Conference on National Conference on Signal & Image Processing – 2015(NCSIP – 2015), Vivekanand College Of Engineering & Technology, Puttur, Karnataka.
2. Resource person for ISTE approved STTP on Neural Network & Fuzzy Systems organized by Electronics & Telecommunication Department from 4th January to 8th January 2010 at K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
3. Appointed & worked as Paper Setter for Mumbai University
4. Appointed & worked as Paper Setter for K J Somaiya College of Engineering under Somaiya Private University
5. Appointed & worked as Paper Setter for NMIMS University
6. Volunteered at South Asia PATW ORGANIZED BY Mumbai Local Network on 28th September 2013
7. Judge for Regional level competition KJSIEIT-IET-NICE 2014 held on 27th September 2014.
8. Attended Orientation Program on Analog Communication System & Image Video Processing subjects for CBGS Syllabus
9. Appointed & worked as member of LIC Committee by University of Mumbai

Membership of Professional Bodies

1. Life Member of Indian Society for Technical Education(ISTE)
2. Member of Institution of Engineering & Technology (IET)

Number of Students Guiding in Different Universities

Research Guide: Ph.D. (03 students)
1. Pacific University, Udaipur, Rajasthan (02)
2. Visvesvaraya Technological University, Belgaum, Karnataka (01)

Personal Details:

Name	Jayashree V Khanapuri
Date of Birth	23rd July 1968
Place of Birth	Gokak (Karnataka)
Marrital Status	Married
Languages	Kannada, Hindi, English and Marathi

References:

Dr. Linganagouda Kulkarni	Principal, Vivekanand College Of Engineering & Technology, Puttur, Karnataka
Dr. B.K. Mohan.	Head & Senior Research Scientist, Centre Of Studies for Resources Engineering (CSRE), IIT-B, Powai, Mumbai
Prof. B.L.Desai	Vice- Principal, B.V.B. College Of Engineering & Technology, Hubli, Karnataka

Dr. Jayashree V Khanapuri