H-630, Govardhan Nagar,Opp.
Poisar Gymkhana, Borsapada
Road, Poisar, Kandivli (W),
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Dr. Ameya K. Naik

A. PERSONAL DETAILS

Date of Birth:	2nd December, 1980.
Gender:	Male.
Father's Name:	Kishor V. Naik
Languages Known:	English, Hindi, Marathi (read, write and speak)
Hobbies:	Playing chess, Coding, reading technical books

B. ACADEMIC QUALIFICATION

Sr. No	Qualification	Branch	Institution	University / Board	Year of Passing	Percent-age
1.	Doctor of Philosophy	Electronics Engineering	S. G. G. S. Institute of Technology, Nanded	Swami Ramanand Teerth Marathwada University, Nanded	2015 (March)	
2.	Masters of Engineering	Electronics & Telecommunication	Vivekananda Education Society's Institute of Technology	University of Mumbai	2004	66.16 (First Class)
3.	Bachelor of Engineering	Electronics	Shah & Anchor Kutchhi Engg. College	University of Mumbai	2002	62.56 (First Class)
4.	H.S.C.	Science	R. D. National College	Maharashtra State Board	1998	89.50 (Distinction)
5.	S.S.C.		Himalaya High School	Maharashtra State Board	1996	82.66 (Distinction)

C. SOFTWARE KNOWLEDGE

Turbo C, Visual Basic, MATLAB, SCILAB, Python, Standard documentation related software.

D. RESEARCH INTERESTS

Wavelets, Signal Processing, Image Processing, Multirate Signal Processing, Data Compression, Channel Coding and Information Theory, Data Analytics.

E.   ACADEMIC PROJECTS COMPLETED

Sr. No.	Qualification	Title of Project and Brief Description
1.	**Doctor of Philosophy**	***"Optimal Compression and Encryption Techniques for Telebiometric Systems"*** The research work deals with a telebiometric system that employs an optimum compression algorithm and a watermarking technique for encryption. The main focus of the research work was on designing wavelets that are optimum for both compression and feature extraction. Effects of these algorithms on actual template matching and recognition were investigated. The performance of the system was evaluated in terms of PSNR (Peak Signal to Noise Ratio), FAR (False Accept Rate) and FRR (False Reject Rate). The system performance was also observed for wireless transmission of biometric data. Based on this work, research papers were published in reputed journals such as **IEEE Transactions on Image Processing and Elsevier Neurocomputing.** The research work was carried out at the research centre in S.G.G.S Institute of Engineering and Technology, Nanded.
2.	**Masters of Engineering**	***"Improved Code Spread CDMA"*** The project *IMPROVED CODE SPREAD CDMA* deals with designing a CDMA system based on low rate nested codes for combined coding and spreading. The wireless system was simulated using MATLAB codes under various channel conditions. The project was carried out in V.E.S. Institute of Technology, Chembur, Mumbai – 400 071.
3.	**Bachelor of Engineering**	***"Microcontroller based Pulsed X-Ray Monitor"*** A pulsed X-ray monitor was designed using 80C552 microcontroller. Simulation was carried out in UMPS software and testing was done using assembly language. The project was carried out in B.A.R.C., Trombay, Mumbai-400 085.

F.   COURSES TAUGHT

Undergraduate level:

Wavelets, Discrete Time Signal Processing, Image and Video Processing, Digital Communication, Signals and Systems, Software Simulation Workshop, Data Compression and Encryption, Computer Communication Networks, Basic Electrical and Electronics Engineering.

Post Graduate level:

Wavelets and Applications, Image and Video Processing, Network Security, Communication Networks, Advanced Digital Communication, Modelling and Simulation of Communication Systems.

Ph. D. Course work: Research Methodologies.

G. PROFESSIONAL EXPERIENCE

Sr. No.	Post Held / Designation	Department	Organization	From - To	Remarks- University Approval	Pay Scale
1.	Full time permanent Associate Professor	Department of Electronics & Telecommunication	K. J. Somaiya College of Engineering	01/07/2016 till date	Approved Approval No. **TAAS(CT)/ICD/2016-17/26971 Dated 21/04/2018**	37400-67000+GP 9000 Basic: 40240 GP: 9000
2.	Full time permanent Lecturer / Assistant Professor			01/07/2005 till 30/06/2016	Approved **CONCOL/SA/5923/2006 Dated 09/11/2006**	8000-275-13500
3.	Recognized as a teacher of University of Mumbai for guiding Ph.D. research scholars in the field Electronics Engineering. No. PG/I.C.D./2015-16/27176 Dated 26/11/2015.					
4.	Currently guiding one Ph.D. research scholar.					
5.	Recognized as a teacher of University of Mumbai for guiding M.E. / M. Tech. students in the field Electronics and Telecommunication Engineering No. PG/ICD/2012-13/1081 Dated 17/07/2012.					
6.	Successfully guided thirteen M.E. and M. Tech. dissertations till date.					

H. POSITIONS OF RESPONSIBILITIES

- ✓ Presently, **Head, Department of Electronics and Telecommunication Engineering**, K. J. Somaiya College of Engineering (An Autonomous Institute Affiliated to the University of Mumbai), Vidyavihar, Mumbai-77.
- ✓ Nominated by the Principal as a **member of College Development Committee (CDC)**, committee formation as per section 97 of the Maharashtra Public Universities Act, 2016.
- ✓ **Associate Dean R&D** at the Institute level and **member of Departmental Research and Development Committee**.
- ✓ Appointed as a **Vice Chancellor (University of Mumbai) nominee as a Subject Expert on the University Staff Selection Committee (USSC) for appointment of Assistant Professor / Associate Professor and Professor** in the subject of Electronics and Telecommunication Engineering.
- ✓ Appointed as an **external examiner / referee for M.E. / M. Tech. dissertations / examinations** conducted in other universities such as IIT Bombay, University of Pune, and NMIMS.
- ✓ Handled responsibility as **In-charge, Laboratory Maintenance Committee** that was setup at the Institute level for formulation of various policies and conducting laboratory audit.
- ✓ Conducted Laboratory audits of 75 laboratories in the Institute during 2016-17.
- ✓ Handled responsibilities as a **Member of Departmental, Budget & Purchase Committee, R & D committee, Project committee and Convener, Time table committee**.
- ✓ **In-charge, Software Simulation Laboratory**, Department of Electronics and Telecommunication Engineering, K. J. Somaiya College of Engineering, Vidyavihar (2008-2015).

- ✓ **Member of various committees** at the department and Institute level, related to **autonomous syllabus framing** (Digital Signal Processing, Image and Video Processing, Wavelets, Wavelets and Applications, Network Security, etc. at both UG and PG level), Department Accreditation (N.B.A.), NAAC and college related undertakings such as admissions, cultural, co-curricular and extra-curricular activities.
- ✓ Handled various responsibilities at the University level, Institute level and Department level as an **Examiner (UG and PG), Moderator, Re-valuator, Vigilance squad member, Special committee member** (for investigating examination related members), etc.
- ✓ Successfully guided more than twenty five undergraduate projects till date.

I.   RESEARCH ACTIVITIES (SPONSORED RESEARCH PROJECTS COMPLETED)

- ✓ *"Dietary Assessment using Medical Imaging and Pattern Recognition Techniques"*, Minor research Grant by University of Mumbai, 2016-17.
- ✓ *"Examiner Authentication and Paperless Data Compilation using Smart Card and Biometrics"*, Minor research Grant by University of Mumbai, 2012-13.
- ✓ "*Real Time Automatic Biometric Recognition using DSP*", Minor research Grant by University of Mumbai, 2009-10.
- ✓ *"Object Recognition and Tracking"* sponsored by K. J. Somaiya College of Engineering, Vidyavihar, Mumbai – 77, 2009.

J.   BOOKS PUBLICATIONS

- ✓ **Theory of Wavelets: From Design Principles to Applications**, proposal submitted to Wiley publications.
- ✓ **Conceptual 100 Questions in Signal Processing**, proposal under consideration.

K.   RESEARCH PUBLICATIONS (INTERNATIONAL / NATIONAL JOURNALS)

- ✓ **Ameya K. Naik** and Raghunath S. Holambe, **"A Unified Framework for the Design of Low Complexity Wavelet Filters**", *International Journal of Wavelets, Multiresolution and Information Processing*, Volume 15, Issue 06, 1750054, November 2017.
- ✓ **Ameya K. Naik**, and Raghunath S. Holambe,"**Joint Encryption and Compression Scheme for a Multimodal Telebiometric System**", *Elsevier Neurocomputing*, Vol. 191, , pp. 69-81, May 2016.
- ✓ **Ameya K. Naik**, and Raghunath S. Holambe**, "New Approach to the Design of Low Complexity 9/7 tap Wavelet Filters with Maximum Vanishing Moments**", *IEEE Transactions on Image Processing*, 23(12), pp. 5722-5732., December 2014.
- ✓ **A. K. Naik**, and R. S. Holambe, **"Design of Low-complexity High-performance Wavelet Filters for Image Analysis"**, *IEEE Transactions on Image Processing*, 22(5), pp. 1848-1858., May 2013.
- ✓ Shivali D. Kulkarni, **Ameya K. Naik** and Nitin S. Nagori, **"2D Image Transmission Using Bandwidth Efficient Mapping Technique"**, *International Journal of Image and Graphics (IJIG)*,Vol. 10, No. 4, pp 559-573, October 2010.
- ✓ **Ameya K. Naik**, Meenal M. Tamhankar, and Mahesh P. Sinha, *"Evaluation of Error Rate Performance for ODS Code-Spread System using Simulations", International Journal of Communication Systems, John Wiley & Sons Ltd.*, Vol. 19, No. 6, pp 723-726, August 2006.

- ✓ **Ameya K. Naik**, Meenal M. Tamhankar, and Vikrant Joshi, *"Performance Evaluation of Code Spread CDMA System using Simulations"*, *WSEAS Transactions on Communications*, Vol. 5, No. 2, pp. 335-340, February 2006 ISSN 1109-2742.
- ✓ Swati B. Singh, **Ameya K. Naik**, Pragati Dwivedi and Swapna Patil, "Analysis Of Data Hiding Algorithms for Image Security", *International Journal of Students' Research in Technology & Management*, Vol 3 (5), pp. 350-354, May 2015.
- ✓ Avinash A. Talole, Sachin B. Patel and **Ameya K. Naik**, "**Analysis of Wavelet based Techniques for Image Denoising**", *International Journal of Engineering and Technical Research (IJETR)*, Vol. 3, No. 4, pp. 417-420, April 2015.
- ✓ Sachin B. Patel, Avinash A. Talole and **Ameya K. Naik**, *"Comparison of Wavelet based Watermarking Techniques for various Attacks"*, *International Journal of Engineering and Technical Research (IJETR)*, Vol. 3, No. 4, pp. 411-416, April 2015.
- ✓ Sunil Kumar, **Ameya K. Naik** and Swapna M. Patil, "**Pitch Estimation Using Pulse Modelling Approach and its Comparison With Existing Methods**", *International Journal of Engineering Development and Research (IJEDR)*, ISSN:2321-9939, Vol.3, Issue 1, pp.80-84, January 2015.
- ✓ Shantanu S. Khare and **Ameya K. Naik**, "**Comparative Study of Popular Statistical Methods For Facial Recognition**", *IJISET - International Journal of Innovative Science, Engineering & Technology*, Vol. 1, Issue 5, pp. 429-436. July 2014.
- ✓ Rupali Advirkar and **Ameya Naik**, "**A Review on Snoop with Rerouting in wired cum wireless Networks**", *IOSR Journal of Computer Engineering (IOSRJCE)* ISSN: 2278-0661, ISBN: 2278-8727, Vol. 8, Issue 2, November - December 2012.

L. RESEARCH PUBLICATIONS (PROCEEDINGS OF INTERNATIONAL CONFERENCES)

- ✓ **Ameya K Naik** and Raghunath Holambe, "**Blind DCT Domain Digital Watermarking for Biometric Authentication**", International *Journal of Computer Applications*, 1(16):11–15, February 2010. Published By Foundation of Computer Science.
- ✓ Shivali D. Kulkarni, **Ameya K. Naik**, and Nitin S. Nagori, "**A Comparison of Real Valued Transforms for Image Compression**", *Fifth International Conference on Signal and Image Processing World Academy of Science Engineering and Technology, WCSET 2008* Congress Heidelberg, Germany, pp 504-508, September 24-26, 2008.
- ✓ **Ameya K. Naik** and Nitin S. Nagori,"**Optimal Modulation Techniques for Image Transmission on a Wireless OFDM System**", *Proc. SPIT-IEEE Colloquium and International Conference*, Mumbai, February 4-5, 2008.
- ✓ Meenal M. Tamhankar and **Ameya K. Naik, "Application of RCPC Codes in Next Generation Networks,"** *Proc. International Conference on Emerging Technologies in Telecommunication Convergence* organized by IETE Mumbai Centre, Mumbai, January 10-12, 2007, pp. B201-B205.
- ✓ Vikrant Joshi , Meenal M. Tamhankar, and **Ameya K. Naik**, "**Evaluation of BER Performance of a Convolutionally Coded DS-CDMA System using Simulations**", *Proc. PCEA - IFFToMM International Conference on Recent Trends in Automation And Its Adaptation to Industry*, Nagpur, July 11 - 14,2006.
- ✓ Vikrant B. Joshi, **Ameya K. Naik** and Meenal M. Tamhankar, "**Improved Triple DES Algorithm for Network Security**", *Proc. International Conference on Next Generation Networks*, Mumbai, pp CP-10.1-CP-10.3, Feb 9-11, 2006.

- ✓ **Ameya K. Naik**, Meenal M. Tamhankar, and Vikrant Joshi, **"Evaluation of error rate performance of code spread CDMA***", Proc. Fourth WSEAS International conference on Information Security, Computers and Communications (ISCOCO 2005)*, Canary Islands, Spain, pp. 505-509, December 16-18, 2005.
- ✓ Anita Nair and **Ameya K. Naik, "DWT based Image Compression with Quadtree Decomposition",** *International Conference on Recent Advances in Science, Engineering, Technology and Management (NCRASETM),* Hyderabad, September 2018.
- ✓ Shyamlesh Dubey and **Ameya K. Naik, "Deep Learning Approach for Offline Handwritten Character Recognition",** *International Conference on Computer Science, Industrial Electronics (ICCSIE),* Mumbai, August 2018.
- ✓ Sailee Ghodekar and **Ameya K. Naik**, **"Image Processing Based Brain Tumor Classification",** *Second International Conference on Advanced trends in Engineering ICATE-2018*, Navi Mumbai, April 2018, ISBN: 978-93-5267-422-0.
- ✓ Dhanashree Lamane and **Ameya K. Naik**, **"Multimodal Biometric Authentication using Gabor and Canny Filter Method",** *Fourth RIT Post Graduates Conference (RIT PG Con-18)*, Sangli, April 2018.
- ✓ Harshal Patil and **Ameya K. Naik**, **"Fingerprint Authentication Using combination Of Local Feature Detectors and SIFT",** *MULTICON W-18 , CETE-2018*, Mumbai, February 2018.
- ✓ Rohit Mahajan and **Ameya K. Naik**, **"Comparison of Feature Extraction Methods for Image Analysis and its Application for Classification of Food Items in Computer Vision",** *International Conference on Emanations in Modern Technology and Engineering ICEMTE 2017*, Thane, March 2017.
- ✓ Shruti Dixit and **Ameya K. Naik,"An Image Processing Approach for Food Portion Detection and Identification",** *Proc. of International Conference D.M. College of Engineering ICATE 2017*, Navi Mumbai, April 2017, ISBN: 978-93-86171-02-3.
- ✓ Yatin Sukale and **Ameya K. Naik**, **"A Comparative Analysis of Image Fusion Methods",** *Third National Conference on Innovations and Advancements in Information Technology (NCIAIT)*, Navi Mumbai, February 2016.
- ✓ Shantanu Khare and **Ameya K. Naik, "Analysis for Face Recognition",** *International Conference on Electronics and Computing Technologies ICONET 14*, Thane, March 2014.
- ✓ Nikhilesh Deshpande and **Ameya K. Naik**, **"Performance Analysis of Advanced Video Coding H.264",** *International Conference on Electronics and Computing Technologies (ICONECT 14)*, Thane, March 2014.
- ✓ Nitin S. Nagori and **Ameya K. Naik**, **"Performance Evaluation of Biorthogonal Wavelets for Image Analysis",** *International Conference on Emerging Trends in Technology and it's Application, ICETTA-2013*, Y. T. Institute of Engineering and Technology, Karjat, March 6-7, 2013.
- ✓ Rupali Advirkar and **Ameya Naik, "Comparison of different protocols with Rerouting in Wired cum Wireless Networks"**, *International Conference on Electrical, Electronics and Computer Engineering (ICEECE)*, Delhi ISBN: 978-81-927147-5-2, May 2013.

M.   RESEARCH PUBLICATIONS (PROCEEDINGS OF NATIONAL CONFERENCES)

- ✓ **Ameya K. Naik** and Raghunath S. Holambe, **"Design of Low-complexity Wavelet Filters Using Optimization of Halfband Polynomial",** *TEQIP-II sponsored National Conference on Instrumentation, Control and Signal Processing ICSP-2013*, Nanded, July 8-9, 2013.
- ✓ Nikhil Kokate and **Ameya K. Naik**, "Unified framework for multimodal Biometric System", *CYNOSURE*, B. A. T. U., Lonere, 2011.

- Dipak P. Kulkarni, **Ameya K. Naik** and Mahesh P. Zalte,**"Analysis of Real Time Biometric System for Object Recognition and Tracking"**, *Emerging Trends in Computing and Communication ETCC-2010*, Medicaps Groups of Institutions and CSI, Indore, November 19-20, 2010.
- **Ameya K. Naik**, Shivali D. Kulkarni, and Nitin S. Nagori, **"A Bandwidth Efficient Technique for Image Transmission over Fading Channels"**, *National Conference on Wireless Communication and Networking*, L&T Institute of Technology, Mumbai, , pp 261-268, January 9-10, 2009.
- **Ameya K. Naik**, Shivali D. Kulkarni and Nitin S. Nagori,**" Analysis of a Face Location Algorithm for Biometric Identification"**, *National Conference on Recent Advances in Computer and Communications*, V.I.T., Mumbai, pp 288-291, September 29-30, 2008.
- Vikrant B. Joshi, **Ameya K. Naik**, Meenal M. Tamhankar and Kavita Tiwari, **"Performance Evaluation of Synthetic Aperture Radar System using simulations"**, *Proc. National Conference on Information and Communication Technology*, D.J. Sanghvi College of Engg., Mumbai, pp. A65, Feb. 24-26, 2006.
- Vikrant B. Joshi, **Ameya K. Naik**, Meenal M. Tamhankar and Kavita Tiwari, **"Comparison of SAR Reconstruction Algorithms using simulations"**, *Proc. National Conference on Information and Communication Technology*, D.J. Sanghvi College of Engg., Mumbai, pp. A49, Feb. 24- 26, 2006.
- Kavita Khairnar, **Ameya K. Naik**, Meenal M. Tamhankar and Mahesh P. Sinha, **"Simulation of Multiuser detectors for DS-CDMA systems"**, *IETE, Teletech 2005, Applied Computing and Communication Technology*, Rajkot, June 26, 2005.

N.   PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- Member of IEEE (Institute of Electrical and Electronics Engineering) and IETE (The Institution of Electronics and Telecommunication Engineering, India).
- Reviewed 26+ journal research papers at the International and national level for organizations such as *IEEE Transactions on Signal Processing, IEEE Transactions on Circuits and Systems (Express Briefs), IEEE Signal Processing Letters, IET Image Processing, IET Signal Processing, IET Electronics Letters, Journal of Electronic Imaging, Elsevier Image Communication.*
- Reviewed papers for IEEE sponsored Conferences such as *International conferences such as IEEE International Conference on Industrial Instrumentation and Control ICIC-2015 organized by COEP, Pune, International Conference on Signal and Information Processing IConSIP -2016, Nanded and Biennial International Conference on Nascent Technologies in Engineering ICNTE 2015, ICNTE 2017 and ICNTE 2019 organized Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India.*
- Conducted a session as a guest speaker on *"Teaching Methodologies for Core Electronics and Telecommunication Courses"*, at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, July 2018.
- Invited as a Guest Speaker for the topic *"Digital Signal Processing: Fundamentals and Applications"*, conducted at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, March 2018.
- Judge of the *"IET Present Around the World (PATW)"* Competition, Mumbai Local Network level organized by IET-Mumbai Local Network, February, 2018.
- Delivered a seminar on *"Image and Video Processing"* at L. R. Tiwari College of Engineering, Thane, September 2017.
- Session Chair in for *"TECHXTER 6.0"*, a technical paper presentation organized by SIES Graduate School of Technology, Nerul, Navi Mumbai, February 2017.

- ✓ Session Chair in the *"International Conference on Nascent Technologies in Engineering (ICNTE-2015) and (ICNTE-2017)"*, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.
- ✓ Conducted sessions as an course expert on *"Recent Trends in Image, Video and Speech Processing"* for ISTE approved Short Term Training Program at VIVA Institute of Technology, April 2016.
- ✓ Judge for technical paper presentation and poster competition, *"UTSAV Tech-Fest 2K16"*, organized by L. R. Tiwari College of Engineering, Thane, February 2016.
- ✓ Delivered an expert talk on *"Optimal Compression and Encryption Techniques for Telebiometric Systems"* at IITB organized by National Centre of Excellence in Technology for Internal Security (NCETIS): October 2015.
- ✓ Member of the *Evaluation team of workable projects exhibition of Engineering and Polytechnic colleges* organized by, The Institution of Engineering India (IEI), Mumbai, February 2014.
- ✓ Delivered an expert talk on *"Application of Wavelets at ICETTA-2013"*, Y. T. Institute of Engineering and Technology, Karjat, March 2013.
- ✓ Session Chair for the *"International Conference on Emerging Trends in Technology and it's Applications"*, ICETTA-2013, Y. T. Institute of Engineering and Technology, Karjat, March 2013.
- ✓ Invited as a Judge for activities conducted by *I. E. T. E. KJS-ISF and E. E. S. A.* (K. J. S. C. E., Mumbai) such as Technical paper presentation during Abhiyantriki and project display.

O.   SCHOLASTIC ACHIEVEMENTS
- ✓ **Biography included in Marquis Who's Who in the World**, 27th edition, 2010 based on reference value of outstanding achievements.
- ✓ Received the *"Appreciation Award"* given by the R&D cell, K. J. Somaiya College of Engineering, Vidyavihar, for outstanding research publication for the duration 2012-14.
- ✓ Received the *"Appreciation Award"* by given the R&D cell, K. J. Somaiya College of Engineering, Vidyavihar, for outstanding research publication for the duration 2014-16.
- ✓ Received the Award given by the ISTE chapter, K. J. Somaiya College of Engineering, Vidyavihar for outstanding research publication for the year 2016.
- ✓ Received the Award given by the ISTE chapter, K. J. Somaiya College of Engineering, Vidyavihar for outstanding research publication for the year 2017.
- ✓ Awarded the *"Best Teachers Award"* in the Department of Electronics and Telecommunication for the academic year 2014-15.
- ✓ Awarded Scholarship granted by A.I.C.T.E. in 2003.

P.   ACADEMIC CONTRIBUTIONS
- ✓ Actively involved in the development of *"Centre of Excellence in Networking"* laboratory in collaboration with CISCO in the Department of Electronics and Telecommunication, KJSCE.
- ✓ Actively involved in the development of *"Texas Innovation Centre"* in the Department of Electronics and Telecommunication, KJSCE by signing a MoU with Texas Instruments.
- ✓ Initiatives taken for the development of software related to faculty and staff documentation.

Q.   COURSES / WORKSHOPS ORGANIZED
- ✓ Organized one week Workshop under Texas University Program, *"IoT and Advances in Embedded Systems"*, June 2018.

- ✓ Organized MATLAB Workshop on *"Communication Systems Design"* in coordination with MATHWORKS India, January 2015.
- ✓ Contributed as Teaching Assistant in two days *"ISTE Workshop on Writing Effective Conference Papers"*, conducted by IIT, Bombay under the National Mission on Education through ICT (MHRD), February 2012.
- ✓ Member Steering Committee for national conference proposed by Dept. of E&TC and Electronics Engineering, K. J. S. C. E. Mumbai in 2011.
- ✓ Assisted the department in organizing national level conference *"National Conference on Trends in Telecommunication Transmission: Copper to Fiber"*, K. J. Somaiya College of Engineering. Mumbai in March 2006.

R. COURSES / WORKSHOPS ATTENDED

- ✓ One week I.S.T.E. approved short term training program on *"Neural Network and Deep Learning using Tensor Flow"*, organized by Department of Electronics and Telecommunication Engineering, SIES Graduate School of Technology, Nerul, Navi Mumbai, January 2019.
- ✓ **PTS Training course conducted by GWINSTEK, Good WILL INSTRUMENT Co. Ltd.**, Mumbai, September 2018.
- ✓ Completed the *"Leadership Development Program"* for building Institutional Leadership conducted at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, January-October 2018.
- ✓ Participated in "*Faculty Conclave-2018"* as a part of Quality Week organized by K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, July 2018.
- ✓ Participated in the *"Tenth National Rett Syndrome Awarness Meet"* organized by Indian Rett Syndrome Foundation in association with SRCC Children's Hospital, Mumbai, October 2017.
- ✓ One week I.S.T.E. approved short term training program on *"Wavelet Transform and its Applications: Hands on"*, organized by Department of Electronics Engineering, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai -77 and sponsored by IEEE Mumbai section, December 2016.
- ✓ One day "*MHRD-TEQIP"* workshop organized by IIT Bombay under the aegis of Knowledge Incubation under TEQIP, KIT, Initiative of the Ministry on the theme Applications of Wavelets, Time frequency methods, Multirate Systems (CDEEP), April 2015.
- ✓ Attended "*MATLAB EXPO"* organized by MathWorks India, at Pune, April 2015.
- ✓ Two Weeks Faculty Development Program on "*Research Methodologies for Ph. D. Aspirants"* , organized by KJSIEIT-Information Technology Department, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, in association with University of Mumbai, May 2014.
- ✓ *"Winter School on Biometrics for Secured Authentication Fundamentals and Advances"* organized by S. G. G. S. Institute of Engineering and Technology, Vishnupuri, Nanded sponsored by TEQIP-II, December 2013.
- ✓ *"Research Avenues and Challenges in Higher Education"* organized by University of Mumbai, 2012.
- ✓ One week workshop on *"Scilab-An Open Source Platform for Numerical Computation"*, organized by K. J. Somaiya College of Engineering, Vidyavihar, Mumbai - 77 and funded by NME-ICT, MHRD through IIT, Bombay, June 2011.
- ✓ *"Low Cost Wireless Communication"*, organized by Usha Mittal Institute of Technology, S. N. D. T. Women's University in association with IEEE Communication Society Bombay Chapter, February 2011.

- ✓ Two day workshop on *"Applications on Digital Signal Processing in Industry"*, organized by S. G. G. S. Institute of Engineering and Technology, Vishnupuri, Nanded, March 2010.
- ✓ Three weeks industrial training program *"L & T Imagineering Connect 2008"*, organized by Larsen and Toubro Limited, Madh training Centre, Mumbai, June 2008.
- ✓ One week I.S.T.E. approved short term training program on *"Mathematical Tools in Image Processing"*, organized by Department of Electronics and Telecommunication, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai -77 and sponsored by IEEE Mumbai section, January 2008.
- ✓ Short Term course on *"Satellite Communication"* organized by Department of Electronics and Communication Engineering. V. E. S. Polytechnic., Mumbai, August 2004.
- ✓ *"Intel Developer Forum"* organized by Intel at Mumbai, India, October 2003.

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