

**PATIL SHRIKRISHNA D.**

M.E. Automatic Control & Robotics, MSU, University Baroda

B.E. Industrial Electronics, Amravati University

Email Id : sdpatil@mctrgit.ac.in

Designation : Associate Professor in Electronics & Telecommunication Department.

Experience : Educational 29 Years

Date of Joining : 01/09/1995

Areas of Interest :

Computer Communication Network, Wired and Wireless communication, Next Generation Networks, Analog & Digital Communication, Control System

Publications

● **National Conferences** :

- Presented a paper on “Logistic management using RFID”[Co-Author- Ms R.P. Khan] at National Conference on Information and Communication Technology, Jointly organized DJSCOE, Mumbai, University of Mumbai, ISTE, IETE, Mumbai, on FEB, 24- 26, 2006.
- Presented a paper on “Layered coding Based CELP speech coder for wireless communication”[Co-Author - Nemade M.U] at National Conference on Information and Communication Technology, Jointly organized DJSCOE, Mumbai, University of Mumbai, ISTE, IETE, Mumbai, on FEB, 24- 26, 2006.

● **International Journals** :

- Geetali Bhosle, S D Patil, “A Review of Channel Estimation of MIMO-OFDM”, International Journal of Engineering Science and Computing, ISSN: 2321 3361, Volume 7, Issue No.5, PP12374-12377, May-2017
- Geetali Bhosle, Shrikrishna D Patil “Simulation of Time-Domain LMMSE Channel Estimation for MIMO-OFDM Systems using Sliding Window Concept”, , in International Journal of Science and Research , ISSN: 2319-7064, Volume 7, Issue No.1, PP 873-876, May-2018, DOI: 10.21275/ART20179495
- Madhusudan Bang, S D Patil, “A Review of Speed Estimation Algorithms for Incremental Optical Encoder”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2347-6710, Volume 4, Issue No.9, PP-8206-8210, Sept-2015
- Madhusudan Bang, S D Patil “Design of Linear Motion Controller for Incremental Optical Encoder”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2347-6710, Volume 7, Issue No.5, PP-4509-4515, May-2018

- Ninad M Belalekar, Shrikrishna D Patil “Co-Tier Interference Reduction with Intelligent Scheduling in between LTE femtocells”, in International Journal of Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, PP: 3250 – 3255, volume 3, issue 5, May 15.
- Pramila Tantubay , Shrikrishna D Patil ,Shripad kulkarni “A Review on Methodologies for Capacity Improvement with Minimum Delay in WMN” with in International Journal of Innovative Research in Science, Engineering and Technology Vol. 4, Issue 4, April 2015, pp 1333 to 1340.
- Ninad M Belalekar, Shrikrishna D Patil ,“A Review on Co-tier Interference Reduction Techniques In Between LTE Femtocells” International Journal on Recent and Innovation Trends in Computing and Communication” ISSN: 2347-6710 ,Volume:4 Issue: 2 pp 67 – 73, February 2015.
- Pramila N Tantubay, Shrikrishna D Patil, Shripad V Kulkarni ,“A Review on Cost-Efficient and Optimum Solution for Fiber-Wireless (Fi-Wi) Technology”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2347-6710, Vol. 4, Issue 1, January 2015.
- Priya Gupta, S.D.Patil, Surendra Sutar “Intelligent Multiple Targets Detection and Tracking System for Location Prediction using GSM & Geocoding,” in IJESC, Vol. 04, pp 806 – 809, August 2014.
- Mandekar Amar, S. D. Patil, and D. S. Arora "Implementation of 802.11 n MIMO OFDM Transceiver.". IJSER, ISSN: 2229-5518, Vol. 5, Issue 7, pp 1139 to 1145, July 2014.
- Mandekar, Amar, S. D. Patil, and D. S. Arora "An Overview on Implementation of MIMO OFDM Transceiver for 802.11 n, IJSER, ISSN: 2229-5518, Vol. 5, Issue 4, pp 737 to 742, April 2014.

Consultancies :

- Appointed as Educational Consultant at Sanjivani International School, Kharghar by Hon. Shri. Shankarraoji Kolhe [Ex. Revenue Minister, MS], the Chairman of Sanjivani Rural Education Society.

Professional Bodies Association:

- Fellow and Executive Council member of IETE, Mumbai
- Life member of the Indian Society for Technical Education (LMISTE)
- Member of the Institute of Engineers (MIE)
- Fellow of the Institute of Electronics & Telecommunication Engineers (FIETE)
- Member of the Institute of Electrical and Electronics Engineers (MIEEE)

Interaction with Professional Institutions :

● **STTPs and FDP :**

- Completed NPTEL online Certification of 8 week (Feb-Mar-2018) Course “**Wireless Ad Hoc and Sensor Networks**” with consolidated score of 63% with credit of 2.
- Attended a two weeks ISTE-AICTE sponsored STTP on MATLAB for Analysis & Simulation of Electrical, Electronics and Control Systems at Nirma University, Ahmedabad (Gujarat) during 01st – 12th December, 2003
- Attended an ISTE-AICTE sponsored STTP on Still Image & Video Processing at PIET, Pune during 14th – 25th June, 2004
- Attended a workshop on “Challenges ahead in Communication” organized by ISTE chapter and Dept. of Telecommunication, DJSCOE, Mumbai during October 07 -0 8, 2005.
- Attended a ISTE sponsored two days workshop on “Laser Technology” in SAKEC, Mumbai during May, 30 & 31, 2006

- Attended an ISTE approved one week STTP on “Advances in Wired & Wireless Communication Networks” at RGIT during 11-15 June 2007
- Attended a seminar on “Staff motivation” By Ms. Shantirekha under ISTE chapter 2007
- Attended an ISTE approved one week STTP on “Recent trends in Electronics and Instrumentation” during 7th to 11th January 2008.

• **Workshops** :

- Participated in one day workshop on “Internet of Things (IOT)” at VJTI, Mumbai on 08th Jan 2016.
- Participated in a workshop on “Wireless Network Laboratory” at PVPCOE, Mumbai on 18th -19th Dec 2015
- Attended one day Workshop on “LATEX a Language for Desktop Publishing” on 10th October 2007 by Prof S S Shitole, SNDT University.
- Attended workshop on “Motivating students for achievement & excellence in teaching & learning process” By Prof. S. K. Gabhane under ISTE chapter 2007
- One week National workshop on “Scilab and its Applications “,at Rajiv Gandhi Institute of technology during 02 -06 January 2006.
- Attended 19th Indian Engineering Congress on “Destination 2020 India- A Developed Nation “ at Hotel Grand Hyatt, Mumbai during 17th – 18th December, 2004
- Attended a conference on Wireless Communication & Mobility Organized by Intel Developer Forum at Hotel Tajland Ends, Bandra during 21st – 22nd October, 2003
- Attended a two days workshop on Circuit Simulation organized by F.C.R.College of Engineering , Bandra, Mumbai during 31 January 2002 - 01 February 2003
- Attended a three days workshop on PC Hardware & Networking organized by the Resource Centre, IIT Bombay during 2nd – 4th April, 1999.

• Conference attended :

• **Technical Talks** : 06

- Delivered a lecture on “Spectrum Management” to P. G. Students of Dr. V.B. Kolte COE Malkapur, Dist. Buldana on 16th September 2017.
- Delivered a lecture on “Next Generation Network” to P. G. Studnts of Dr. V.B. Kolte COE Malkapur, Dist. Buldana on 26th January 2014.
- Delivered a video lecture on “Wireless Communication – Past, Present and Future” on 17th August, 2013 for B. E. EXTC, Nagesh Karajagi Orchid COET, Solapur.
- Delivered a guest lecture on “Motivation for budding engineers in rural areas” held in 2012-13 at Padmabhushan V. B. Kolte, COE. Malkapur, Buldhana, Maharashtra.
- ‘Bluetooth Technology, in STTP on ‘Advances in Wired and Wireless Technology’ organized by the Department of Electronics and Telecommunication, Rajiv Gandhi Institute of Technology, Jun, 2007.
- ‘Bluetooth Technology: An Application ’ A course conducted by Department of Electronics and Telecommunication, Rajiv Gandhi Institute of Technology on ‘ Embedded Technology’ in Jun, 2006.

Others

- Appointed by University of Mumbai as Chairman of Three member Vigilance committee for Zone F Engineering colleges for First and second half of 2016 examination
- Appointed as member of Examination Vigilance committee, by the University of Mumbai, 2005.
- Worked as PG Coordinator (EXTC) since 2012 to June, 2016

- Working as Faculty coordinator for IETE Students Forum (ISF) since 2010
- Worked as guide/ supervisor for many PG students' dissertation
- Worked as Guide/ supervisor for UG students' projects
- Worked as Head of Department of Electronics and Telecommunication Engineering at Rajiv Gandhi Institute of Technology since Jan-2010 to May-2013.
- Appointed as Management Representative for implementing ISO9001-2000E at M.C.T's Rajiv Gandhi Institute of Technology, Mumbai.
- Appointed as Convener - Library Committee M.C.T's Rajiv Gandhi Institute of Technology, Mumbai.
- Appointed as in charge- Examination at M.C.T's Rajiv Gandhi Institute of Technology, Mumbai during 1996 to 2005.
- Appointed as Convener of Grand Annual Cultural and Technical Festival 'ZODIAC-05' at M.C.T's Rajiv Gandhi Institute of Technology, Mumbai.
- Appointed as Laboratory In charge at College of Engineering, Kopergaon (MS).
- Appointed as member of Examination Malpractices Control squad, by the University of Mumbai, 2005.
- Dy Presiding officer for GATE 2012 Examination Rajiv Gandhi Institute of technology center , Mumbai.
- Attended syllabus revision committee meetings organized by Board of Studies in Electronics and Telecommunication Engineering ,University of Mumbai during Dec- Jan 2013 and Jan – Feb 2014.

Industrial Visits:

- Visited Make in India Conclave organized at BKC, Bandra Mumbai during 2015-16.
 - Visited Centre for Excellence in Telecom Technology and Management, MTNL at Powai, Mumbai.
 - Visited Giant Metrewave Radio Telescope (GMRT), Narayangaon, Pune.
 - Visited HAL, NAL, Kirloskar Cummins, BEL, BHEL, Ramaya Medical College, IISC, Bangalore.
 - Visited Super Computer Lab at IISC, Bangalore.
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