

DR. SANJAY DASRAO DESHMUKH

PhD (Electronics Engineering) Mumbai University, January 2019.

M.E. Electronics & Telecommunication, Mumbai University, Apr/May 2008

B.E. Electronics & Telecommunication, Dr. B.A.M.U. Aurangabad, Apr/May-1997

Residence : Harmony-II, Flat no 202, Plot No 30, Sector 35-I
Kharghar- Navi Mumbai.

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Cell No :9833137126

Designation : Assistant Professor in Electronics & Telecommunication Department.

Experience :Educational 20 Years
Industry 01 Year

Date of Joining :18/07/2007

Areas of Interest :Random signal analysis, Wireless communication ,Digital communication

Publications

Journals

:
● International : 05

- Performance Evaluation of Spread Spectrum System Using Different Modulation Schemes”, (CMS 2016), Procedia Computer Science journal - **Elsevier**, ISSN: 1877- 0509, Volume 85, June 2016, Pg. 176–182. doi: 10.1016/j.procs.2016.05.207.
- “Analysis Of Outage Probability for MC-CDMA Systems Using Different Spread Codes” Asian Journal of Electrical Sciences ISSN: 2249-6297, Vol. 7, No. 2, 2018, pp. 107-114
- “MC-CDMA Outage Probability Minimization using Modified De Bruijn Sequences” international Journal of Telecommunications and Information Technology 2017.
- “Bandwidth efficient: Wireless OFDM – MIMO System”, International journal of Global Technology initiatives, ISSN 2277-6591, Issue 1, March 2012.
- “OFDM-MIMO and V-BLAST Algorithm- key to high speed wireless communication” International Journal of Electronics and Communication Engineering & Technology (IJECET), ISSN 0976 – 6464(Print),ISSN 0976 – 6472(Online) Volume 4, Issue 2, March – April (2013).

Conferences:

● International : 09

- Sanjay Deshmukh and Udhav Bhosle, “Bit Error Probability Analysis of MIMO Multicarrier Spread Spectrum for different channels and Modulations” International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) 2017, 22-24 March 2017
- Sanjay Deshmukh and Udhav Bhosle,, “Analysis of OFDM MIMO with BPSK Modulation and different Antenna Configuration using Alamouti STBC” in International Conference on Optical and Wireless Technologies (OWT-2017), 18 March 2017
- Gouri Desai, Sanjay Deshmukh, “ Outage Performance Analysis of Pulse-shaped Multicarrier waveform for 5G in frequency-selective fading environments”, IEEE International Conference on Trends in Electronics Information Communication technology, 19-20 May 2017.
- Gouri Desai , Sanjay Deshmukh ,” A Novel de Bruijn Sequence Based Spreading for Enhancing Downlink Outage Performance of MIMO MC-CDMA” in 2nd International Conference for Convergence in Technology I2CT, 2017.
- Sanjay Deshmukh and Udhav Bhosle, “Performance Analysis of Orthogonal Frequency Division Multiplexing (OFDM) For Different Modulation Methods” IEEE International Conference on Computing, Communication and Signal Processing (ICCSP-2016)Kollam, Kerala, India,8-9 July, 2016, Pg.No.102-107.
- Sanjay D Deshmukh,Udhav Bhosle,”Performance Analysis of Spread Spectrum System over Fading Channel Models” IEEE International Conference on Communication and Signal Processing (ICCSP), DOI: 10.1109/ICCSP.2016.7754256 , ISBN: 978-1-4673-8549-7 , Pg. No 662-666, 6-8 April 2016

Professional Bodies Association:

- Member The Institute of Electrical and Electronics Engineers (IEEE).
- Life Member Indian Society for Technical Education (ISTE).
- Life Member Institute of Electronics & Telecomm. Engineers (IETE).

Grand Fetched

Dr Udhav Bhosle, Principal Investigator & Mr.K.G.Sawarkar, Mr .Sanjay D.Deshmukh ,Co-Principal Investigator, “Modernization of communication systems” ,under MODROB scheme AICTE ,August 2012.

Interaction with Professional Institutions

● STTPs

- Completed 12 week NPTEL course on Probability Foundations for Electrical engineers in Jan-Apr 2018.
- One week ISTE approved STTP on “Software tools in Electronics and Telecommunication Engineering” during 15-19th DEC 2008.
- Attended syllabus revision committee meetings organised by Board of Studies in Electronics and Telecommunication Engineering, University of Mumbai during Dec- Jan 2013 and Jan – Feb 2014.
- Continuing Education Programme held on “Antennas”. at I.I.T Mumbai 18 -21, Feb 2003.
- Short Term Course on “Optical Fiber Communication” held at V.E.S.I.T Mumbai Aug - 2004.
- Seminar on “Signal & Image Processing” D.B.I.T Mumbai -Sep 2004.

- I.S.T.E approved Two weeks National level Short Term Training Program “Advances in Wireless communication and networks” Thadomal Shahani Engineering College (TSEC) On 10 th to 21 st November 2014.
- Short Course on MIMO-OFDM Wireless Communications Organized by Department of Electrical Engineering, IIT Kanpur, KANPUR, February 19 - 21, 2016

● Workshops

- One day workshop under TEQIP on “outcome based education and accreditation for the faculty members of technical institutions.” VJTI –Mumbai on 7 th Sep 2014.
- Workshop on “Towards Excellence In Teaching” held at V.E.S.I.T Mumbai, 2 and 3 July-2004.
- One week National Workshop On “Digital Signal Processing & Applications ” held at R.A.I.T, Navi Mumbai 3-7, July 2006.
- One week Workshop on “Recent Trends in Electronics & Instrumentation” held at R.G.I.T .Mumbai 7-11, Jan 2008.
- Workshop on “Next generation networks” held at P.V.P.P.C.O.E, Sion, 21-23 FEB 2008, Mumbai.
- One week Workshop on “ High Impact Teaching Skills “ conducted by Wipro in Mission 10X programme during 24 th November 2008.
- Two day workshop on technical paper writing at Sardar Patel Institute of Technology, Mumbai 21-22 July 2011.
- One week National workshop on “Scilab and its Applications “, at Rajiv Gandhi Institute of technology during 02 -06 January 2012 through MHRD IIT Bombay.

Others

- Two Day internal Auditor course under ISO 9001:2008 on 16 th and 17th September 2011.
- Dy Presiding officer for IIT-JEE 2012 & IIT-JEE 2013 Examination Rajiv Gandhi Institute of technology center, Mumbai
- Dy Presiding officer for GATE 2012 Examination Rajiv Gandhi Institute of technology center , Mumbai.
- Joint Chief Conductor for University Engineering Exam (First Half 2012) Don Bosco Institute of technology center , Kurla –Mumbai.
- Mumbai University Moderation committee member to scrutinize the results of engineering examinations in Electronics and Electronics and Telecommunication during 2012 & 2013.
- Member of syllabus revision committee of Electronics and Telecommunication, Mumbai University since 2013
- Resource Faculty Member for orientation function Sem V (ET) (Revised in 2014) Random Signal Analysis (ETC 503) (TE EXTC Sem V) conducted by the EXTC Department of Fr. CRIT, Vashi, on July 10, 2014.
- Resource Faculty Member for orientation function Sem VI (ET) (Revised in 2014) Digital Communication (ETC-601) (TE EXTC Sem VI) conducted by the EXTC Department D.J. Sanghavi College of Engg., Vile Parle and S.S. Jondhale College of Engg., Dombivali. on 7th and 8th Jan 2015.
- Coordinated various Cultural and Social welfare activities as **Convener Student Council, Rajiv Gandhi Institute of Technology** and **SOCH** (Social Organisation for Conserving Humanity) Rajiv Gandhi Institute of technology like Blood donation, Clothes donation, Toy donation, conducting teaching classes and Workshops for orphan students during 2013-2016.
- Member of organizing committee “National Conference On Advances in Information and Communication Technology” organized by IETE Mumbai center during 22nd and 23rd March

2010.

- Coordinated various technical events and Industrial visit as **IEEE Branch counselor, Rajiv Gandhi Institute of Technology** Student Chapter since 2011.
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