

## Curriculum vitae



**DR. SANJAY DASRAO DESHMUKH**

**Residence Address** : Harmony-II, Flat no 202, Plot No 30, Sector 35-I  
Kharghar- Navi Mumbai.- 410210

**Date of Birth:** 04 th August 1971.

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**Cell No** : 9833137126

**Present employment:** Currently working as Professor and Head Department of Electronics and Telecommunication Engineering & Vice Principal at MCT's Rajiv Gandhi Institute of Technology (RGIT), Mumbai, from July 2007. RGIT is established in 1992, an ISO 9001:2008 certified and NAAC accredited institution, permanently affiliated to Mumbai University, approved by All India Council for Technical Education (AICTE), New Delhi.

### **Educational Qualification**

<b>Degree</b>	<b>University</b>	<b>Subject</b>	<b>Year of passing</b>	<b>Class</b>
<b>Ph.D.</b>	University of Mumbai	Science and Technology (Electronics Engineering) <b>Thesis Title:</b> Analysis of Bandwidth Efficient Spread Spectrum Technique for Wireless Networks with Minimised Inter Symbol Interference (ISI).	December 2018	_____
<b>M.E</b>	University of Mumbai	Electronics & Telecommunication Engineering	APR/MA -2008	First class. ( 68.43 % )
<b>B.E.</b>	Dr. BAMU , Aurangabad	Electronics & Telecommunication Engineering	APR/MAY -1997	First class. ( 61.80 % )

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

### Publications

- Kartik Patel and **Sanjay Deshmukh**, “2S (Superposition Coding, Successive Interference Cancellation) Operations in NOMA Technology for 5G Networks: Review and implementation” accepted Conference on Technologies for Future Cities (CTFC-2021)- 8<sup>th</sup> and 9<sup>th</sup> October 2021 (Technically sponsored by IEEE Bombay Section) (Conference Proceedings available on IEEE Xplore digital library)
- **Sanjay Deshmukh** and Udhav Bhosle, “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.
- **Sanjay Deshmukh** and Udhav Bhosle, “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
- **Sanjay Deshmukh** and Udhav Bhosle, “MC-CDMA Outage Probability Minimization using Modified De Bruijn Sequences” accepted in International Journal of Telecommunications and Information Technology.
- **Sanjay Deshmukh**, “Bandwidth efficient: Wireless OFDM – MIMO System”, International journal of Global Technology initiatives, ISSN 2277-6591, Issue 1, March 2012.
- **Sanjay Deshmukh**, Rishi Bagadia, Prachi Kapoor, Dharmesh Gohil “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).
- **Sanjay Deshmukh** and Udhav Bhosle, “Performance Analysis of Spread Spectrum System over Fading Channel Models” **IEEE** International Conference on Communication and Signal Processing (ICCSP'16), Tamilnadu, India, April 16, Pg. No 662-666.
- **Sanjay Deshmukh** and Udhav Bhosle ,“Performance Analysis of Orthogonal Frequency Division Multiplexing (OFDM) For Different Modulation Methods” **McGraw Hill Education** International Conference on Computing, Communication and Signal Processing (ICCCSP-2016)Kollam, Kerala, India,8-9 July, 2016, Pg.No.102-107.
- **Sanjay Deshmukh** and Udhav Bhosle, “Analysis and Simulation of OFDM-MIMO with Several Modulation Schemes Using Alamouti STBC” Springer International Conference on Optical & Wireless Technologies (OWT 2017), Jaipur, 18-19 March 2017.
- **Sanjay Deshmukh** and Udhav Bhosle, “Bit Error Probability Analysis of MIMO Multicarrier Spread Spectrum for Different Channels and Modulations” **IEEE** International Conference on Wireless Communications, Signal Processing and Networking

- Anuja Dhokar, **S.D.Deshmukh**, "Overview Of EDFA for the Efficient Performance Analysis", IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 04, Issue 03 (March. 2014), ||V4|| PP 01-08

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### 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).

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### 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.

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### 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 15-19<sup>th</sup> DEC 2008.
- Attended syllabus revision committee meetings organised by Board of Studies in Electronics and Telecommunication Engineering, University of Mumbai during since Dec- Jan 2013 and till date.
- 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<sup>th</sup> to 21<sup>st</sup> 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<sup>th</sup> 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<sup>th</sup> 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.
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### **Contributions at Institute and Departmental Committee.**

- Coordinated various technical events and Industrial visit as **IEEE Branch counselor, Rajiv Gandhi Institute of Technology** Student Chapter since 2011 and Skill and Knowledge Enhancement Programs (SKEP).
- 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 Secretary COLLEGE GRIEVANCE REDRESSAL CELL (CGRC) and Anti Ragging Committee constituted for the redressal of the problems reported by stake holders of the college.
- **Core Member**, National Workshop on Advances in Signal Processing and Applications (NWASP\_2011), MCT's Rajiv Gandhi Institute of Technology, Andheri(W), Mumbai from 19<sup>th</sup> Jan to 21<sup>st</sup> Jan 2011.

### **Outside World Associations:**

- Member, Board of Studies Electronics and Communication Engineering, Faculty of Technology, University of Mumbai since Sep 2019.
- Executive Member, IETE Mumbai Center from January 2019.
- 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 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.
  - Member of organizing committee “National Conference On Advances in Information and Communication Technology” organized by IETE Mumbai center during 22<sup>nd</sup> and 23<sup>rd</sup> March 2010.
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**Date:**

**Place:**

**(DR. SANJAY DASRAO DESHMUKH)**