Name of Teaching Staff	:	Prof. Tanaji D. Biradar
Designation	:	Associate Professor
Department	:	Electronics & Telecommunication Engineering
Date of Joining the Institution	:	5.4.2004
Email ID	:	tanaji.biradar@djsce.ac.in
Office Contact	:	022-42331212

Qualifications with Class / Grade	:	1. Pursuing Ph.D. in Electronics & Telecommunication Engineering from University of Mumbai on Topic "Circularly Polarized Micro-strip Antenna" 2. M.Tech. – Electronics & Telecommunication Engineering from MACT REC, Barkhatulla Vishvidaylaya, Bhopal (MP), Bhopal (MP) March 1999, 1st class with Distinction 79.55%. 3. B.E. (Electronics & Telecomm. Engineering) from Marathwada University, Aurangabad in June 2003, 1st class with Distinction 68.06%.
Total Experience in Years	:	**Teaching**: **30 years** 1. Assistant Professor, D.J. Sanghvi College of Engineering from 5.4.2004 to till date. 2. Senior Lecturer, Rajiv Gandhi Institute of Technology. Versova, Mumbai from September 1993 to March 2004. 3. Lecturer, MGM CET Kamothe from Jan 1992 to September 1993.
Papers Published in Journal: Papers Presented in Conferences	:	**International**: 2 1. **"Video Object Tracking Using Particle Filtering",** International Journal Of Engineering Research and Technology, ISSN: 2278-0818 (Published by ESRSA Publication), Volume -2, Issue 9, September-2013. 2. **"Design and Development of Smart Socket-Energy monitoring and controlling".** International Journal of Enhanced Research in Science Technology and Engineering, ISSN: 2319-7463 Vol.2 Issue 13. (Available online at: www.erpublcations.com) December-2013.pp (95-99). **International**: 7 1. "Utilizing the Visible Spectrum for Wireless Transfer of Information", 2012 7th International Conference on Telecom. Systems, Services, & Applications (TSSA) Bali, Telecom Engineering Research Group School of Electrical Engineering & Informatics Institute Technology Bandung INDONESIA.IEEE Catalog Number: CFP1291P-PRT ISBN: 978-1-4673-4547-7, 30-31 October 2012. 2. "Constant false alarm rate multipath detector for multiple antenna based GNSS receivers "Conference on Electrical Electronics and Data Comm. Engg (ICEEDC) DELHI. 2013. 3. "Bit Error Rate Analysis for SSB-QPSK Modulation" ICAET-2013, IRD (Bhubaneswar, Odisha) organized at Ahmedabad ISBN Number: 978-93-81693-99-1. 10th Feb,2013 4. "Wireless Transmission of a Grayscale Image Using Visible Light." ICATE-2013, SVKM's MPSTME, MUMBAI, 23-24 Jan2013. 5. "Circular polarized MSA with capacitive fed and shorting pin" 2017 Conference on Emerging Devices and Smart Systems (ICEDSS).

		6. **"Mobile Function Generator Using Android"** Part of special issue: Proceedings of 4th International Conference on Advances in Computing, Communication and Control (ICAC3'15) 7. "Micro-smart signal generator" 2015 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), 10-12 Dec. 2015, Madurai, India	
Area of Specialization		**Wireless Communication**	
Professional Memberships	:	Life Member of Indian Society of Technical Education (ISTE)	LM 22167
Awards	:	Best Teacher Award	2009-10 at D.J. Sanghvi Engineering College.
Grants fetched	:	Mumbai University (Rs.25000/)	Design and Development of Robust 3-Phase Controller for Electric Vehicles
Interaction with Professional Institutions	:	STTP on "Emerging Trends in Wireless computer Networking" Delivered lecture	"Wireless Cellular Networks: GSM, GPRS, CDMA." RJIT Versova Andheri Mumbai. 20-24th Nov. 2006.
Subjects Taught		**UG Level:** **PG Level:**	➢ Basic Electrical Engineering ➢ Electronic Devices and Circuits ➢ Integrated Circuits ➢ Control System ➢ Principles of Communication ➢ Digital communication ➢ Optical Communication ➢ Mobile Communication ➢ Advanced Digital Communication ➢ Optical Communication Network

Projects Guided	:	**UG Level:**

UG Level:
1. Wireless Thermal sensor 2008-09
2. Optical Character recognition using multiple classifiers 2008-09
3. Wireless Image Detection and recognition using Radar 2008-09
4. Midi Controller 2010-11
5. Deaf Blind Communicator 2010-11
6. Real time Bus Tracking system 2010-11
7. GSM (SMS) Controlled Robot 2011-12
8. Self-Ordering Kiosk 2011-12
9. e-farming With GUI 2011-12
10. Visible data light Transfer 2012-13
11. Smart Traffic Management System 2012-13
12. Inventory Management system using IP and ERP 2012-13
13. Smart system for accident detection using GSM 2013-14
14. E-Spy techniques using microcomputer. 2013-14
15. Intelligent surveillance System using RFID system. 2013-14
16. Finger reader for the blind using image processing. 2014-15
17. Wireless Gesture controlled robotic arm using mbed platform. 2014-15
18. RFID and GSM based intelligent courier mailbox system 2014-15
19. Utility belt for blind 2015-16
20. Design of a Microwave Energy Harvester using Micro strip based Rectenna 2015-16.
21. Android based smart Parking system 2016-17
22. Gesture Controlled television using Image processing and Embedded system 2016-17
23. Anti-Infiltration Border surveillance system using Raspberry Pi 2017-18
24. Spherical robot using pendulum drive mechanism for surveillance 2017-18
25. Target selection for mergers & acquisitions using Neural network 2018-19
26. Vehicle automation using IOT 2018-19
27. Home Automation system and Smart Security using R-Pi and Particle Cloud 2019-20
28. Algorithm Trading using Sentiment analysis 2019-20
29. SMART HEALTH CARE SYSTEM 2020-21
30. S-MART: Smart Shopping Experience 2020-21
31. IoT Based Baby Monitoring System 2020-21

PG Level:
1. Nayana Bidwe," Constant false alarm rate multipath detector for multiple antenna based GNSS receivers". 2011.
2. Sakshi Sukale "Clustering algorithm for wireless sensor network"2012.
3. Vrinda Agrawal "Smart socket – wireless energy monitoring & controlling system" 2012.
4. ELIJAH MATHEW "Mobile function generator using android" 2013.
5. KUMAIL LAKHANI "Implementation of light weight PKI on wireless sensor network", 2015

Recommended Students for Higher Education		Name of the Student	University/Industry
		Jubin Mehta	Arizona state University (2012-14)
		Jimesh Chokshi	Carnegie Mellon University (2016-17)
		Sahil Kadam	Stevens Institute of Technology (2015 –17)
		Het Metha	University of north Carolina at Charlotte (2016-18)
		Paratik gala	University of north Carolina at Charlotte (2016-18)
		Darpit Patel	California State University-Fullerton (2016 – 18)
		Aishwarya Karnik	Syracuse University (2016 – 2018)
		Rohan Jhaveri	Colorado State University (2016 – 2018)
Institute/Department Responsibility handled:		➢ Secretary cum treasurer DJSCOE –ISTE chapter ➢ Chairperson Technical committee ➢ Member of the Unfair Means Inquiry Committee ➢ Member of Vigilance Squad at university of Mumbai. (2009) ➢ Member of Moderation Committee to scrutinize the results, Mumbai University (2011-2012) ➢ EDC Lab In-charge ➢ NAAC Criteria 7 Institute Level Coordinator ➢ Admission Committee (Vice Chairperson) ➢ Examination Jt. Convener (Assessment & Moderation)	