

Name of Teaching Staff : Dr.(Mrs.) Manali J. Godse  
Designation : Professor &HOD  
Department : Biomedical Engineering  
Date of Joining the Institution : 30.6.1995



Qualifications with Class / Grade : 1. Ph. D. (Engineering), April, 2010, NMIMS University (DU)  
2. M. Tech. (Biomedical Engg.), February 1999, Ist class, C.P.I., 7.42 (I.I.T. Bombay).  
3. B.E. (Biomedical Engg), October 1993, Ist class (60%) with Distinction in the Final year, University of Mumbai.

Total Experience in Years : **Teaching: 19 years 3 months**  
1. Professor, D.J. Sanghvi College of Engineering from 4.7.2011 till date.  
2. Assistant Professor, D.J. Sanghvi College of Engineering from 23.7.2001 to 3.7.2011.  
3. Lecturer, D.J. Sanghvi College of Engineering from 30.6.1995 to 22.7.2001.  
4. Lecturer, M.G.M. College of Engineering and Technology from 8.8.1994 to 23.6.1995.

**Industry** :--

**Research**:--

Diabetic Neuropathy.

Papers Published : **National**:--

**International** : 1

Published paper “Analysis of difference in the calculated frequency insural nerve h-reflex in diabetics and non-diabetics of age group II” in International Journal on Biomedical Engineering & Biotechnology, MJDYPU – Vol.II, Issue III, ISSN-0974-2743.

Papers Presented in Conferences : **National** : 3

1. Presented a paper on “Analysis of a cross section of subject for detection of peripheral Neuropathy in Diabetic and Non-Diabetic subjects.” in NCICT 07.
2. Presented a paper “Frequency Analysis of Sural Nerve Action Potential in Diabetic and Non-Diabetics” in NCICT’08.
3. Presented a paper “Analysis of Frequency Content of Sural Nerve Action Potential in Diabetic and Non-Diabetic Patients using Continuous Wavelet Transform” at ICBENT’08

**International**: 3

1. Presented a paper on “Statistical Analysis of Wavelet Coefficients of Sural Nerve Conduction Signal in Diabetic and Non-Diabetic Patients” in International Conference - SPIT – IEEE Colloquium 08.

Papers Presented in Conferences	:	2. Presented a paper “Frequency analysis of Sural Nerve h-reflex in diabetic and non-diabetic patients of age group II” at “International Conference on Biomedical Engineering and Technology” IN Bangkok, Thailand.	
		3. Presented a paper “Analysis of difference in the calculated frequency insural nerve h-reflex in diabetics and non-diabetics of age group II” at International Conference on Biomedical Engg. and Technology” in Bangkok, Thailand	
PhD Guide ? Give field & University	:	<b><u>Field:</u></b>	--
		<b><u>University:</u></b>	--
PhDs / Projects Guided	:	<b><u>PhDs :</u></b>	--
		<b><u>Projects at Masters level:</u></b>	--
Books Published / IPRs / Patents	:		--
Professional Memberships	:	ISTE and BMESI	
Consultancy Activities	:		--
Awards	:		--
Grants fetched	:		--
Interaction with Professional Institutions	:		--

Name of Teaching Staff : Prof. Vivek P. Deodeshmukh

Designation : Assistant Professor

Department : Biomedical Engineering

Date of Joining the Institution : 1.3.1999

Qualifications with Class / Grade : 1. M. Tech. (Biomedical Instrumentation), June 1998, Ist class 62.81%, Mysore University  
2. B.E. (Instrumentation), August 1994, Ist class 63.33%, Dr.B.A. Marathwada University.

Total Experience in Years : **Teaching: 14 years**

1. Assistant Professor, D.J.Sannghvi College of Engineering from 20.7.2002 till date.
2. Lecturer, D.J. Sanghvi College of Engineering, from 1.3.1999 to 19.7.2002.
3. Lecturer in Bio-Medical Engineering, (Temporary), D.J. Sanghvi College of Engineering from 1.1.1999 to 28.2.1999.

**Industry: 2 years**

1. Service Engineer, Alpha & Omega Medical (I) Ltd., from 1.5.1998 to 31.12.1998.
2. Trainee Engineer at 'NOCIL' from 1.1.1995 to 28.12.1995.

**Research: --**

Papers Published : **National: 3**

Inhouse – Paper Published.

1. “Automated detection of Tumors in Mammograms” Technofocus Vol. I No.1 – 2010.
2. “Image registration in mammographs” Technofocus Vol. II, Issue 1<sup>st</sup> Oct, 2011.
3. “IYE & head movement based human computer interaction Oct’ 2012(Accepted for publication).
4. Optical character Recognition for Handwriting using a Hybrid Model, Technofocus ( Vol 3-issue 1, Oct 2012)

**International: --**

Real Time Tracking using Feedback Learning , International journal of Engineering Research and Technology, ISSN:2278-0181, Vol 3- Issue 2, February, 2014




Papers Presented in Conferences : **National : 3**

1. 'Identification based on Iris detection National conference on Biomedical Engg. SP college Mumbai Feb- 2006.
2. 'Computerized detection on malignant tumors on digital mammograms', CISP, Aurangabad April, 06.
3. 'Analysis of Transient evoked otoacoustic emission signals', NLBME – 98, MIT, Manipal.

**International: 1**

'Co-operative infrared visible field tracking' at 'International conference in Advances in pattern Recognition'. ISI Kolkata - 2003.

PhD Guide ? Give field & University	:	<b><u>Field</u>:</b>	--
		<b><u>University</u>:</b>	--
PhDs / Projects Guided	:	<b><u>PhDs</u> :</b>	--
		<b><u>Projects at Masters level</u>:</b>	- 1
Books Published / IPRs / Patents	:		--
Professional Memberships	:		--
Consultancy Activities	:		--
Awards	:	Best teacher award in Biomedical Teachers in the year 2008.	
Grants fetched	:		--
Interaction with Professional Institutions	:		--

Name of Teaching Staff	: Prof.(Mrs.) Rashmi Ravikumar,	
Designation	: Assistant Professor	
Department	: Biomedical Engineering	
Date of Joining the Institution	: 1.2.2000	
Qualifications with Class / Grade	: 1. M. Tech. (Biomedical Engg.), 2004, Ist class (8.24), I.I.T. Bombay. 2. B.Sc. (Tech.) (Electronics Instrumentation including Biomedical Instrumentation), April 1998, Ist class (72.5%) with distinction, University of Mumbai. 3. B.Sc. (Physics), May 1995, IInd Class (63%), University of Mumbai.	
Total Experience in Years	: <b><u>Teaching: 15 years</u></b> 1. Assistant Professor, D.J. Sanghvi College of Engg. from 1.1.2006 till date. 2. Lecturer, D.J. Sanghvi College of Engineering, from 1.2.2000 to 31.12.2005. 3. Lecturer, Watumull Institute from Jul, 1998 to Jan, 2000. <b><u>Industry: 6 months</u></b> Trainee R&D Engineer, Transasia Biomedicals Ltd. from 5.1.1998 to 9.7.1998. <b><u>Research: --</u></b>	
Papers Published	: <b><u>National: 1</u></b> Applications of surface potential measurements in cancer detection. SP College of Engg., March 2006. <b><u>International: --</u></b>	
Papers Presented in Conferences	: <b><u>National: 4</u></b> 1. "Value added services in Mobile Commerce : Findings from a survey in Mumbai" – National Conf. organised on "Effect of Globalization on India's Service Sector" Opportunities & Challenges – by Narsee Monjee of College of Commerce & Economics, 27 <sup>th</sup> – 28 <sup>th</sup> Jan 2012. 2. "Video gaming & Digital Technology – future of Education" The IATE International Conference on Teacher Education and ICT organized by University of Mumbai, 29 <sup>th</sup> – 31 <sup>st</sup> Dec, 2009. 3. "Strategic Role of Context and Personalization in M-Commerce" 4. "Strategic for Churn Analysis based on Customer Value in Telecom Industry". <b><u>International: 1</u></b> International Conference Organized on Strategic Management is global scenario, challenges & opportunities by Dept. of Commerce, University of Mumbai, 23 <sup>rd</sup> – 24 <sup>th</sup> Feb, 2012.	

PhD Guide ? Give field & University	:	<b><u>Field:</u></b>	--
		<b><u>University:</u></b>	--
PhDs / Projects Guided	:	<b><u>PhDs :</u></b>	--
		<b><u>Projects at Masters level:</u></b>	--
Books Published / IPRs / Patents	:	Embedded Systems – Edition 2009.	
Professional Memberships	:	ISTE Member.	
Consultancy Activities	:		--
Awards	:	Best Teacher Awards in 2009.	
Grants fetched	:		
Interaction with Professional Institutions	:		--

Name of Teaching Staff : Prof.(Mrs.) Mrunal R. Rane  
Designation : Assistant Professor  
Department : Biomedical Engineering  
Date of Joining the Institution : 26.7.2002



Qualifications with Class / Grade : 1. M. Tech. (Biomedical Engineering), 2009, CPI-9.81 from I.I.T. Bombay.  
2. B.E. (Biomedical Engineering), 1997, Ist class (64.68%), with distinction from University of Mumbai.  
3. Ph.D. (pursuing), I.I.T. Bombay

Total Experience in Years : **Teaching: 13 years 5 months**  
1. Assistant Professor, D.J. Sanghvi College of Engineering from 1.1.2006 till date.  
2. Lecturer, D.J. Sanghvi College of Engineering from 26.7.2002 to 31.12.2005.  
3. Lecturer, Thadomal Shahani Engineering College from 1.1.2001 to 25.7.2002.  
4. Lecturer in Biomedical Engineering, Mahatma Missions College of Engg. & Tech. from 16.8.1998 to 21.12.2000.

**Industry:** --

**Research:** --

Papers Published : **National:** --

**International:** “ Low powered Solar ECG with ZigBee based Bio-telemetry”, Journal of Technology, Innovations in Renewable Energy, JTIRE Vol.1, September, 2012

Papers Presented in Conferences : **National:**

1. Computational Investigation of Effects of UP state on EPSP in striatal medium spiny neurons”, ICoBE 2012, Malaysia, February 2012  
2. “Low cost Solar ECG”, ICoBE 2012, Malaysia, February 2012  
3. Computational Investigation of Role of AMPA receptor desensitization on synaptic integration in Striatal medium spiny neurons”, BEATS 2010, NIT Jhalandar, December 2010.

**International:**

1. Presented a poster titled “Computational Investigation of Role of Inward Rectifying Potassium Currents in Temporal Summation of EPSPs in Striatal Medium Spiny Neurons” at International Conference IAN08 at Cochin in December, 2008.  
2. Presented a poster titled “Computational Investigation of Role of Active Conduction in Information Processing in Medium Spiny Neurons” at International Symposium at I.I.T. Bombay.  
3. Presented a paper titled “Computational Investigation of Role of Active Conductance in Information Processing in Striatal Medium Spiny Neurons” at WC2009 Medical Physics and Biomedical Engineering, Germany in September, 2009.

PhD Guide ? Give field & University : **Field:** --  
**University:** --

PhDs / Projects Guided : **PhDs:** --  
**Projects at Masters level:** --

Books Published / IPRs / Patents : Embedded Systems – Edition 2009.

Professional Memberships : ISTE Member.


Consultancy Activities : --

Awards : Best Teachers Awards for the year 2011.

Grants fetched : Sushruta up to Rs. 40,000/-

Interaction with Professional  
Institutions : --



Name of Teaching Staff	: Prof.(Mrs.) Vaibhavi A. Sonetha	
Designation	: Assistant Professor	
Department	: Biomedical Engineering	
Date of Joining the Institution	: 1.8.2003	
Qualifications with Class / Grade	: 1. M. Tech. (Biomedical Engg.), Aug 2007, CPI: 9.81 from I.I.T. Bombay. 2. B.E. (Biomedical Engg.), June 2002, Ist class with Distinction 71.51%. 3. Ph.D (Pursuing), I.I.T. Bombay.	
Total Experience in Years	: <b>Teaching: 10 years</b> 1. Assistant Professor, D. J .Sanghvi College of Engineering from 1.1.2006 till date. 2. Lecturer, D.J. Sanghvi College of Engg. from 1.8.2003 to 31.12.2005.	
	: <b>Industry:</b> --	
	: <b>Research:</b> --	
Papers Published	: <b>National:</b> -- <b>International: 1</b> Published paper on “Patent Ductus Arteriosus (PDA) closure Device” in International Journal on Biomedical Engineering and Biotechnology. MJDYPU – Vol. II, Issue III, ISSN – 0974-2743.	
Papers Presented in Conferences	: <b>National: 1</b> Presented poster on “Patent Ductus Arteriosus” at “Indo-US Workshop” on “Cardiovascular Prosthetic Devices” at “Sree Chitra Tirunal Institute for Medical Sciences & Technology.” <b>International: 1</b> Presented paper on “Patent Ductus Arteriosus (PDA) closure Device” at International Conference on Biomedical Engineering and Nanotechnology” organized by D.Y.Patil College of Engineering and Technology, Kolhapur.	
PhD Guide ? Give field & University	: <b>Field:</b> -- <b>University:</b> --	
PhDs / Projects Guided	: <b>PhDs :</b> -- <b>Projects at Masters level:</b> --	

Books Published / IPRs / Patents	: <b>Books: 3</b>
	<ol style="list-style-type: none"> <li>1. Electronics Instrumentation Systems” Sem VI, Electronics Engineering, Mumbai Tech-Max Publication, Pune, Jan-2011.</li> <li>2. “Electronic Instrumentation” Sem – III, EXTC Engineering, Rajiv Gandhi Technology University. Tech-Max publication, Pune, Oct-2009.</li> <li>3. “Electronic and Electrical Measuring Instruments and Machine” Sem- IV, Electronics Engineering, University of Mumbai, Tech-Max Publication, Pune, Jan-2009.</li> </ol>
Professional Memberships	: ISTE
Consultancy Activities	: --
Awards	: <ol style="list-style-type: none"> <li>1. Honored with Nitish V. Thakor M. Tech. award for excellence in ongoing work in Biomedical Engineering by I.I.T. (Powai).</li> <li>2. Awarded Best Paper “Patent Ductus Arteriosus (PDA) closure Device” at International Conference on Biomedical Engineering and Nanotechnology” Organized by D.Y.Patil College of Engineering and Technology, Kolhapur.</li> </ol>
Grants fetched	: Upto Rs. 40,000/- for the Project “Non Invasive Technique for measurement of electrical activity of Stomach” by Sahajanand Laser Technology”.
Interaction with Professional Institutions	: --

Name of the Staff : Prof.(Ms.) Mangal S. Dandekar

Designation : Assistant Professor

Department : Biomedical Engineering

Date of Joining the Institution : 5.7.2007

Qualifications with Class / Grade : 1. M.S. (Biomedical Engg.) May 2003, University of Toledo, Ohio, USA GPA 3.7/4.0.  
2. B.E (Biomedical Engg.) October 1998, 1<sup>st</sup> Class (63.5%) distinction in the final year, University of Mumbai.

Total Experience in Years : **Teaching: 6 years**

1. Assistant Professor, D.J. Sanghvi College of Engineering from 5.7.2007 till date.
2. Lecturer, Thadomal Shahani Engineering College from 1.1.2000 to 15.8.2000.
3. Lecturer, Watumull Institute from 2.8.1999 to 31.12.1999.

**Industry: 1 year 1 month**

1. Sales–service Engineer, Surya Medical Service from 10.06.1998 to 30.8.1998.
2. Service Engineer, Life care devices Pvt. Ltd. from 1.9.1998 to 31.7.1999.

**Research: 5 years 5 month**

1. Research Assistant, Micro fabrication lab, University of Memphis, Tennessee from 31.8.2000 to 15.7.2001.
2. Research Assistant, Neuroscience Lab, Univ. Of Toledo, Ohio from 16.7.2001 to 15.5.2003.
3. Life Science Research Assistant, Radiology Department, Stanford University from 20.1.2004 to 30.9.2006.

Papers Published : **National:** --

**International: 4**

1. Reproducibility of 3’Deoxy-3’-18F- Fluorothymidine MicroPET Studies in Tumor Xenografts in Mice. Tseng JR, Dandekar M., Subbarayan M., Cheng Z, Park J.M, Louie S, Gambhir SS. J Nucl Med.2005;46(11): 1851-1857. PubMed PMID: 16269599. (Radiology Dept. Stanford University).
2. Reproducibility of 18F-FDG MicroPET studies in mouse tumor xenografts. Dandekar M, Tseng Jr, Gambhir SS. J Nucl Med 2007 Apr; 48(4): 602-7. PubMed PMID: 17401098. (Radiology Dept. Stanford University).
3. Preclinical efficacy of the c-Met inhibitor CE-355621 in a U87 MG mouse xenograft model evaluated by 18F-FDG small-animal PET. Tseng JR, KW, Dandedkar M, Yaghoubi S, Lee JH, Christensen JG, Muir S, Vincent PW, Michaud Nr, Gambhir SS. J Nucl Med. 2008 Jan;49(i): 129-34 Epub 2007 Dec 12. PubMed PMID: 18077531 (Radiology Dept. Stanford University).



Papers Published	:	4. Small-animal PET of Melanocortin 1 receptor expression using a 18F-labeled alpha-melanocyte-stimulating hormone analog. Cheng Z, Zhang L, Graves E, Xiong Z, Dandekar M, Chen X, Gambhir SS. J. Nucl Med. 2007 Jun;48(6): 987-94. Epub 2007 May 15. PubMed PMID: 17504880. (Radiology Dept, Stanford University).	
Papers Presented in Conferences	:	<b><u>National:</u></b>	--
		<b><u>International:</u></b>	--
PhD Guide ? Give field & University	:	<b><u>Field:</u></b>	--
		<b><u>University:</u></b>	--
PhDs / Projects Guided	:	<b><u>PhDs:</u></b>	--
		<b><u>Projects at Masters level:</u></b>	--
Books Published / IPRs / Patents	:		--
Professional Memberships	:		--
Consultancy Activities	:		--
Awards	:		--
Grants fetched	:		--
Interaction with Professional Institutions	:		--



Name of Teaching Staff : Prof.(Ms.) Shruti V. Sawant

Designation : Assistant Professor

Department : Biomedical Engineering

Date of Joining the Institution : 4.7.2013

Qualifications with Class / Grade : 1. M.Tech., (Instrumentation & Control) College of Engineering Pune, (COEP) June 2012, CGPA-7.75  
2. B.E. (Biomedical Engg.), June 2010, (80%), University of Mumbai.

Total Experience in Years : **Teaching:** 1 year  
1. Assistant Professor, D.J. Sanghvi College of Engineering from 4.7.2013 till date.  
2. Assistant Professor (Adhoc), D.J. Sanghvi College of Engineering from 2.7.2012 to 30.6.2013.

**Industry:** --

**Research:** --

Papers Published : **National:** --

**International:** “Driver Drowsiness Detection System, International Conference on intuitive systems and Solutions (ICISS) 2012, proceedings published by International Journal Of Computer Applications (IJCA)

Papers Presented in Conferences : **National:** --

**International:** “Driver Drowsiness Detection System, International Conference on intuitive systems and Solutions (ICISS) 2012 held at Thadomal Shahani Engineering College, Mumbai on April 21,2012.

PhD Guide ? Give field & University : **Field:** --  
**University:** --

PhDs / Projects Guided : **PhDs:** --  
**Projects at Masters level:**

Books Published / IPRs / Patents : --

Professional Memberships : --

Consultancy Activities : --

Awards : 1. Received TEQIP Scholarship for academic year 2011-12  
2. Received JRD Tata Trust Scholarship for academic year 2008-09  
3. Merit Holder S.S.C. (15<sup>th</sup> Rank), Mumbai Board

Grants fetched : --  
Interaction with Professional : --  
Institutions

Name of Teaching Staff : Prof.(Ms.) Purva A. Nanivadekar  
Designation : Assistant Professor (Adhoc)  
Department : Biomedical Engineering  
Date of Joining the Institution : 4.7.2013



Qualifications with Class / Grade : 1. B.E. (Biomedical Engg.), Ist class with Distinction (79.20%) from University Of Mumbai, May, 2010.  
2. M.E. (EXTC) University of Mumbai, Pursing.

Total Experience in Years : **Teaching: 3.5 years**  
1. Assistant Professor (Ad hoc), D.J. Sanghvi College of Engineering from 4.7.2013 till date.  
2. Assistant Professor (Ad hoc), D.J. Sanghvi College of Engineering from 3.7.2012 to 30.6.2013.  
3. Lecturer (Adhoc), D. J. Sanghvi College of Engineering from July 2011 to June 2012.

**Industry: 1 year**

As Trainee Engineer (TSD) in Transasia Bio-Medical Ltd., from June, 2010 to June, 2011.

**Research:** --

Papers Published : **National:** --

**International:** 1. Gesture Recognition: A Revolutionary Tool,"International Journal of Technological Advancement and Research, Vol-3, Issue 3 ISSN : 2249-8141  
2. "Indian Sign Language Recognition: A Review", IEEE Proceedings on International conference on Electronics And Communication system, 2014  
3 "Indian Sign Language Recognition: Database creation, Hand Tracking and Segmentation", IEEE Proceedings on Circuits, systems, communication and Information technology  
4. Microcontroller based rehabilitation stimulator, International Journal of Computer Applications (0957-8887), 2013

Papers Presented in Conferences	: <b><u>National:</u></b> 1. Gesture Gesture Recognition: A Revolution Tool,” International Conference on Communication System,IIT Indore 2. “Indian Sign Language Recognition: A Review”, International conference on Electronics And Communication system, Coimbatore, 2014 3. Indian Sign Language Recognition: Database creation, Hand Tracking and Segmentation”, International conference on Circuits, systems, communication and Information technology applications, Mumbai 2014. 4. Microcontroller based rehabilitation stimulator, International Conference on Communication technology, Mumbai 2013.
	<b><u>International:</u></b> --
PhD Guide ? Give field & University	: <b><u>Field:</u></b> -- <b><u>University:</u></b> --
PhDs / Projects Guided	: <b><u>PhDs:</u></b> -- <b><u>Projects at Masters level:</u></b>
Books Published / IPRs / Patents	:
Professional Memberships	: --
Consultancy Activities	: --
Awards	: Topper of NMIMS during M. Tech
Grants fetched	: --
Interaction with Professional Institutions	: --



