BIO-DATA

1.	Name	JATIN SANJAY DESAI
2.	Designation	ASSISTANT PROFESSOR
3.	Residential Address	1/18, HUSENI HOUSE, JERBAI WADIA ROAD, PAREL, MUMBAI – 400 012.
4.	Date of birth	17/02/1895
5.	Total Experience	
i.	Teaching	6 yrs
ii.	Industrial	NIL

6.	Qualifications				
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
	M.TECH	2011	MUMBAI UNIVERSITY	ELECTRONICS	6.9

Additional Qualification:

7.	Employment Record			
	Institution	Year (From To)		Designation
	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI	14/07/2011 to Till Date		Assistant Professor

8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught		
	Subjects Taught at UG level		
	Sr. No.	Name of Subject	Semester
	1	Microprocessors & Microcontrollers.	SEM 6 (ELECT)
	2	Electronic Hardware Workshop.	SEM 6 (EXTC)
	3	Electronic Instrumentation.	SEM 3 (EXTC)
	4	Television and Video Engineering.	SEM 6 (EXTC)
	5	Principles of Control Systems.	SEM 5 (EXTC)
	6	Electronics Circuits and Communication Fundamentals.	SEM 3 (EXTC)
	7	Controls Systems.	SEM 4 (EXTC)
	8	Software Simulation Laboratory.	SEM 4 (EXTC)
	9	Microprocessors and Peripherals.	SEM 4 (EXTC)
	10	Wireless Networks.	SEM 8 (EXTC)
	11	Mini Projects I.	SEM 5 (EXTC)
	12	Structured Programming Approach Laboratory.	SEM 2 (EXTC)
	13	Electronic Instrumentation and Controls	SEM 3 (EXTC)

9.	Research Experience					
10.	**Research Funding / Consultancy Services:**					
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	Research Grants:					
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project

	Technical Collaboration / Lab Funding with Industries			
	Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year

11.	**Professional Societies Fellowship / Membership**

12.	**Achievements / Awards / Position:** 1. Guided the Best Final Year Project Award by TCS 2016-17 for the Project "Lower Arm Active Prosthetic Hand Driven By Surface EMG Signals". 2. Received "Best Paper Award 2016-17" for the paper "Design of front end circuitry for detection of surface EMG using bipolar recording technique"

13.	**Projects guided in UG/PG level:** 1. ECG Analysis & feature extraction using LabVIEW. 2. Design of a Pulse Oximeter based on LabVIEW. 3. Smart Luggage Carrier Robot 4. Agricultural Robot 5. Multi Robot Systems. 6. IoT based Parking Assistant System 7. Lower Arm Active Prosthetic Hand Driven By Surface EMG Signals. 8. Digital Health Monitoring System based on Android OS. 9. A Differential Algorithm For Non-Invasive Extraction Of Fetal ECG And Analysis Using Labview 2014.

14.	**Short Term Training Programmes attended :** AICTE Sponsored Two Weeks Faculty Development programme on" Embedded System Design - A Microcontroller Approach " during November 20, 2017 to December 2, 1017 at Department of Instrumentation and Control, College of Engineering Pune.

15.	**List of Journal Papers Published :** 1. Jatin Desai, Kevin Paulson, "Digital Health Monitoring System Based on Android OS", International Journal of Engineering and Research Technology (IJERT), ICNTE-2015 Conference Proceedings ISSN: 2278-0181. 2. Jatin Desai, Kevin Paulson, "Stand Alone Personal Digital Health Monitoring System based on Android OS", International Journal of Computer Applications (IJCA), Volume 111 – No 9, February 2015 ISSN: 0975 - 8887. 3. Jatin Desai, Kevin Paulson, "Acquiring Bio potentials and displaying them in Real Time on an Android device", International Journal of Research (IJR), Volume 02 Issue 03 April 2015 p-ISSN: 2348-6848 e-ISSN: 2348-795X. 4. Jatin Desai, Kevin Paulson, "Portable and Personal Independent Digital Health Monitoring System Based on Android OS", International Journal of Scientific and Engineering Research, Volume 6, Issue 6, June-2015 ISSN 2229-5518.

16.	**List of Papers Published in National and International Conferences:** 1. Jatin Sanjay Desai, Nadar Prince, Samuel N., Sanket Thakare, Vikas Thale, "Design of front end circuitry for detection of surface EMG using bipolar recording technique", International Conference on Control, Instrumentation, Communication and Computational Technologies, (ICCICCT-2016) at Noor-ul Islam University, Kanyakumari. 2. Jatin Sanjay Desai, Aditya Bhanje, Dion Fernandes, Sneha Biradar, "IoT based Vehicle Parking Manager" , 7th International Conference on Cloud Computing, Data Science & Engineering – Confluence 2017, Proceeding ISSN: 978-1-5090-3519-9/17. 3. Jatin Sanjay Desai, Danish Shaikh, Oindrila Chatterjee, Sabah Parkar, Shweta Sharma,

"Agricultural Robot" in the Proceedings at International Conference on "Science and Technology (ICST-2K14)" at S.B. Patil College Of Engineering, Indapur, Pune.

4. Jatin Sanjay Desai, Rushikesh Choche, Darshan Jakhotiya, Rutuja Zodge, Ashish Gopal, "Smart Luggage Carrier Robot" in the Proceedings at International Conference on "Science and Technology (ICST-2K14)" at S.B. Patil College Of Engineering, Indapur, Pune.

5. Jatin Sanjay Desai, Suhas S. Waghmare, Prof. S. J. Bhosale, "Design of a Low Cost Suspect Detection System Based on LabVIEW" in the Proceeding at the International Conference On Emerging Technologies In Engineering – 2011 (ICETE-2011) At Nitte, Karnataka.

6. Jatin Sanjay Desai, Kasturi R. Kanikdale, Pratik Bhosle, "ECG Extraction and its Analysis Using LabVIEW" in the proceedings at the National Conference on " Emerging Trends in Electronics Engineering and Technology (NIRMAN-2013)" at A.C. Patil College Of Engg., Kharghar, Navi Mumbai

7. Jatin Sanjay Desai, Pooja Pradeep Rane, Bharat Vadnere, "Microcontroller Based Pulse Signal Acquisition And Analysis In LabVIEW" in the proceedings at the National Conference on " Emerging Trends in Electronics Engineering and Technology (NIRMAN-2013)" at A.C. Patil College Of Engg., Kharghar, Navi Mumbai.

17.	**Books/Reports/General articles etc.**
18.	**Invited Lectures in FDP/ STTP**
19.	**International Conference Technical Program Committee Member / Reviewer**
20.	**Patents**