

BIO-DATA



Recent Photograph

1.	Name	Ms. Sadhana Pai					
2.	Designation	Associate Professor					
3.	Residential Address	Sector 17, Vashi.					
4.	Date of birth	13/04/1965					
5.	Total Experience	28 Yrs					
i.	Teaching	28 Yrs					
ii.	Industrial	-					
6.	Qualifications						
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI		
	B.E.	1986	Govt. B.D.T. College of Engineering, Davangere Mysore University	Electronics and Communication	69.3%		
	M.E	1992	S. J. College of Engineering, Mysore Mysore University	Electronics	72.5%		
	Additional Qualification:						
7.	Employment Record						
	Institution	Year (From To)		Designation			
	S. D. M. College of Engineering, Dharwad	1887-1994		Lecturer			
	Fr. C. Rodrigues Institute of Technology, Vashi	1996 onwards		Associate Professor			
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught						
	Subjects Taught at UG level						
	Sr.No.	Name of Subject			Semester		
	1.	Electronics Devices and Circuits -I			III		
	2.	Electronics Devices and Circuits -II			IV		
	Subjects Taught at PG level						
	Sr.No.	Name of Subject			Semester		
	-				-		
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 Life Member IETE (No.- M138318) Life Member ISTE (No.-LM 7279)
12.	Achievements / Awards / Position ---
13.	Projects guided in UG/PG level <p style="text-align: center;">1. BE project guidance</p> <ol style="list-style-type: none"> 1. BE Final year students of the batch 2017-18 successfully completed a project on “high Precision TDC Readout System”. The project group members include: Mr. Anurag Karmakar, Ms. Varada Kulkarni, Mr. Nachiket Rao, Ms. Shriya Wadke 2. BE Final year students of the batch 2014-15 successfully completed a project on “Segway Personal Transporter” The project group members include: Mr. Jayesh Jadav, Ms. Pooja Pangare. Mr. Rupesh Ramane, Mr. Aniket Paranjpe 3. BE Final year students of the batch 2011-12 successfully completed a project on Overspeed Surveillance on Highways. The project group members include: Mr. Kirankumar S., Mr. Akshay K, Mr. Vishal M., and Ms. Dnyanada D. 4. BE Final year students of the batch 2010-11 successfully completed a project on OLED based temperature and Heart rate measurement system. The project group members include: Ms. Neha S., Mr. Shahid K, Mr. Pravin J., and Ms. Vinita S. 5. BE Final year students of the batch 2010-11 successfully completed a project on Exam cell Automation. The project group members include: Mr. Pratik R., Mr.Nikhil P. Mr.Rohit A., Mr. Aniket K. 6. BE Final year students of the batch 2009-10 successfully completed project on Microcontroller & Wireless Based Automated Basketball Scoreboard. The project group members include: Mr. Sourav Choudhury, Ms. Irene Anna Boben, Mr. Sriram Iyer, and Mr. Vinod Mudliar 7. BE Final year students of the batch 2008-09 successfully completed project on Smart Exam-cell cum classroom communication system. The project group members include: Mr. Sunilkumar J B, Mr. Mohit V., Mr. F.Lalbiaksanga & Mr. Rickinn M. 8. BE Final year students of the batch 2008-09 successfully completed project on Audio Signal Analyser for Call Centres. The project group members include: Ms. Chetna R., Ms. Sharmistha B., Mr. Rakesh B., Ms. Anuja S. 9. BE Final year students of the batch 2008-09 successfully completed project on Micro controller based basket ball scoreboard. The project group members include: Mr. Zuber F.,Mr. Kalpesh S.K,Mr. Swapnil K. & Mr. Vikram V. 10. BE Final year students of the batch 2007-08 successfully completed project on Wireless Control of Basket Ball Timer. The project group members include: Ms. Jonaki Basu,Ms.Neha Londhe, Ms.Amruta Mhatre & Ms.Vidhya Lakshmi 11. BE Final year students of the batch 2006-07 successfully completed project on Ultrasound based survey scanner The project group members include: Ms.Priyanka K., Mr.Ashish P., Mr.Kenneth S. & Mr.Kunal Bhatia <p style="text-align: center;">2. ME project guidance</p> <ol style="list-style-type: none"> 1. ME student Mr. Akshay Bhavke of batch 2016-17 batch successfully completed project “Smart Weight Based Toll Collection & Vehicle Detection During Collision Using RFID”

	<ol style="list-style-type: none"> 2. ME student Mrs. Amruta Pabarekar of batch 2013-14 batch successfully completed project “ Temporal Analysis and Remote Monitoring of ECG Signal” 3. ME student Ms. M. Radhapasanna of batch 2013-14 batch successfully completed project “ Microcontroller based Multiparameter Control System using CAN Bus” 4. ME student Mrs. Manita Singh of batch 2012-13 batch successfully completed project “ Remote Patient Monitoring Using GSM Technology”
14.	<p>Short Term Training Programmes attended</p> <ol style="list-style-type: none"> 1. ISTE approved two week STTP on “Microcontrollers and Embedded Systems Design” from 27th Nov to 07th Dec 2006 at DJSCOE, Vile Parle, Mumbai 2. One week FDP on “Enhancing Analytical Skills in Basic Electronics” by Dr. M.B. Patil, IIT Bombay from 27th June to 2nd July 2017 at VIT Mumbai.
15.	<p>List of Journal Papers Published (list in IEEE format)</p>
16.	<p>List of Papers Published in National and International Conferences (list in IEEE format)</p> <ol style="list-style-type: none"> 1. Akshay Bhavke and Sadhana Pai, "Advanced Automatic Toll Collection and Theft Detection Using RFID" Paper presented at IEEE's 3rd International conference for Convergence in Technology (I2CT) Pune from 5th April 2018 to 8th April 2018. 2. Akshay Bhavke, Sadhana Pai, “Smart Weight Based Toll Collection & Vehicle Detection during Collision using RFID”, IEEE International Conference on Microelectronic Devices, Circuits and Systems (ICMDCS'17) held at VIT , Vellore, August 11-12, 2017 3. Akshay Bhavke, Sadhana Pai, “Advance Automatic Toll Collection & Vehicle Detection during Collision using RFID”, IEEE Technically Co-Sponsored 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017) held at Fr.CRIT,Vashi, Pg. No. 49, January 27-28, 2017 4. Ms. Ksitija Deshmukh, Ms. Asitha Ann Santosh, Mr. Yogesh Mane, Mr. Saurbh Verma, Mrs. Sadhana Pai, “ Position Encoders: An efficient system for Warehousing” International Conference on “Recent Innovations in Electrical, Electronics, Computer, Informaton, Communication and Mechanical Engineering” ICRIEECICME-PUNE , held at Pune, Pg. No. 11-15, 17th April 2016. 5. Ms. Ksitija Deshmukh, Ms. Asitha Ann Santosh, Mr. Yogesh Mane, Mr. Saurbh Verma, Mrs. Sadhana Pai, “Robotic Navigation and Inventory Management in Warehouses” International Conference on “Emerging Trends in Electronics, Electrical and Mechanical Engineering” ICEEME-PUNE , held at Pune, Pg. No. 57-60, 1st November 2015. 6. Mrs. Mira Parmar, Mrs. Sadhana Pai, “ The Tumor Detection Neural Network using Texture Features” International Journal of Engineering Research & Technology (IJERT) ISSN:2278-0181, Vol. 4 Issue 08, August-2015. 7. Mr. Jayesh jadav, Mr. Rupesh ramane, Ms. Pooja Pangare, Mr. Aniket Paranjape, Mrs. Sadhana Pai, “ Design of Segway Personal Transporter” International Conference on “Emerging Trends of Technology” VIVRUTI-2015 at Dilkap Research Institute of Engineeringand Management Studies, Neral, Pg. No. 49, 18th – 19th March 2015. 8. Mrs. Mira Parmar, Mrs. Sadhana Pai, “ Detection of Brain Tumor using Artificial neural Network” International Conference on “Emerging Trends of Technology” VIVRUTI-2015 at Dilkap Research Institute of Engineeringand Management Studies, Neral, Pg. No. 17, 18th – 19th March 2015.

9. Mrs. Mira Parmar, Mrs. Sadhana Pai, "Analysis of MRI Images for Brain Tumor Detection" International Conference MULTICON-W 2015 , Thakur College of Engineering, Kandivli, Pg. No. 168-171, 27th – 28th FEB 2015.
10. Mrs. Mira Parmar, Mrs. Sadhana Pai, "Image Segmentation Techniques: A comparative Study" International Conference on Nascent Technologies in the Engineering fields of Mechanical, Electrical, Electronics & Telecommunication and Computer / Information Technology ICNTE-2015 at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Pg. No. 03, 09-10 January 2015.
11. Mrs. Amrutha P., Mrs. Sadhana Pai, "Temporal Analysis and Remote monitoring Of ECG Signal" International Conference on Nascent Technologies in the Engineering fields of Mechanical, Electrical, Electronics & Telecommunication and Computer / Information Technology ICNTE-2015 at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Pg. No. 14, 09-10 January 2015.
12. Mrs. Amrutha P., Mrs. Sadhana Pai, "Temporal Analysis Of ECG Using Lab VIEW" Internationa Journal of Latest Technology In Engineering, Management and Applied Sciences (IJLTEMAS), Volume III, Issue IX, September 2014, ISSN 2278-2540.
13. Ms. Radhaprasanna Merugu, Mrs. Sadhana Pai, "Microcontroller Based Temperature and Luminosity Control System using CAN Bus" In Proc. at International Conference on Advances in Communication and Computing Technologies (ICACACT) 2014 , at PVPP's College Of Engg. Mumabai, Pg. No. 28, 10th and 11th August 2014.
14. Sadhana Pai, Amrutha Pabrekar "Temporal Analysis and Remote Monitoring of ECG Signal" In Proc. at Internatonal Technological Conference-2014 (I-TechCON), VESIT ,Chembur, 3rd and 4th Jan 2014. Pg. No. 25.
15. Mrs. Amrutha P., Mrs. Sadhana Pai "MEMS for Biomedical Applications", in Proc. At National conference on Signal Image technology & Applied Communication Systems" (SITCAS-2013), at Maeer's Maharashtra Institute of Technology , Pune, Pg. No. 44. 19th and 20th Dec 2013.
16. Mrs. Sadhana Pai, Ms. Radha M., "Can Bus Standard and Application", in Proc. At National conference on Signal Image technology & Applied Communication Systems" (SITCAS-2013), at Maeer's Maharashtra Institute of Technology , Pune, 19th and 20th Dec 2013. Pg. No. 41. 19th and 20th Dec 2013.
17. Mrs. Sadhana Pai , Mrs. Manita Rajput "Remote patient monitoring using GSM technology" VIMANTRA 2013: 10th Annual National Technical Paper Contest for Research Scholars by National Instruments at Chennai on 05/09/2013.
18. Mrs. Sadhana Pai , Mrs. Manita Rajput "Wireless transmission of biomedical parameters using GSM technology" IJESE ,volume 1, Issue - 9, July 25 2013.
19. Mrs. Sadhana Pai , Mrs. Manita Rajput " Virtual Instrumentation and its applications", International Journal of Engineering Inventions (IJEI), Vol.1, Issue 9, November 2012.
20. Mrs. Sadhana P., Dr. Milind Shah, Neha S., Praveen J., Shahid K., Vinita S. "OLED Based Heart Rate and Temperature Measurement System" In Proc. At National Conference on "Futuristic Applications In Electronics Engineering" (NCFEEE-11) at All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune, 10th and 11th March 2011, Paper No. 48 Pg. No. 237-241.
21. Yogesh C, Sadhana Pai "Communication System for Conduction of University Examinations" In Proc. At National Conference on Information Sciences NCIS-2010 at Manipal Centre for Information Science, Manipal University, Manipal, 23rd and 24th April 2010.
22. Yogesh C, Sadhana Pai "Exam-Cell Cum Class-room Communication System" In Proc. at Second Biennial National Conference on Nascent Technologies in the field of Electrical and Electronics &

	<p><i>Telecommunication Engineering (NCNTE-2010), Fr. C. R. I.T. Vashi, Feb 25-26 2010, pp.1-6</i></p> <p>23. S. Pai, M. Shah, Y. Chandurkar, J. Basu, R. Vidyalaksmi, N. Londhe, and A. Mhatre, "Wireless control of microcontroller based display systems for basketball game," in Proc. <i>National Conf. on Wireless Communication and Networking</i> (L & T Institute of Technology, Powai, Mumbai, India), January 9-10, 2009, pp. 131-137.</p> <p>24. S. Pai, M. Shah, Y. Chandurkar, and R. Moon, "Microcontroller based display systems for basketball game," in Proc. <i>National Conf. on Embedded Control, Computing, and Communication</i> (I²IT, Pune, India), September 19-21, 2007, pp. 1-5.</p> <p>25. Sadhana Pai, "Organic Film Displays – A Review", National Conference on Information and Technology , NCICT – 2007,SVKM's D. J. Sanghvi College Of Engg, March 1-3, 2007.</p>
17.	Books/Reports/General articles etc.
18.	Invited Lectures in FDP/ STTP
19.	International Conference Technical Program Committee Member / Reviewer
20.	Patents