


RESUME

Name	Dr. Abhay Deshpande	
Date of Birth	25/07/1985	
E-mail ID	abhay.deshpande100@gmail.com	
Mobile/Phone No.	+91-9980815636/08339273684	
Permanent Address S/O A.M. Deshpande "Madhwa Nilaya" Near Kone Building, Behind Housing Colony, Station Road, Ugar-khurd -591316, Tal: Athani, Dist: Belgaum, Karnataka	Residential Address C/O Mukesh B Hiremath # 07, 1 st main, 1 st A cross, Behind VSS International public school, Jagajyothi layout, Jnana Bharathi Post Bangalore-560056	

Job Profile		
Organization	Designation	Duration
RV College of Engineering	Associate Professor, Department of ECE	April 2018 - Till date
RV College of Engineering	Assistant Professor, Department of ECE	August 2011- April 2018
SJB Institute of Technology	Lecturer	August 2009- August 2011
Total Experience	10 Years	

Educational Background				
Degree	Specialization	Board/University	Year of Passing	Class Awarded
Ph.D	Robotics	VTU	2016	-
M.Tech	Digital Electronics	VTU (EWIT, B'lore)	2009	First Class with Distinction
B.E	Electronics and Communication	VTU (SJBIT, B'lore)	2007	First Class

Publications						
International Journal	National Journal	International Conferences	National Conferences	Workshops Attended	No. of Projects guided	
8	3	12	6	14	UG	PG
					18	11

Professional Memberships		
Type of Membership	Name of Society	Membership Year
Associate Member	The Institute of Engineering	2013
Life Member	Indian Society for Technical Education	2018

Details	
Title of Ph.D Thesis	Robotics Control Using Wireless Communication
Title of M.Tech Dissertation	Minimum Clock Period Estimation of DSP Algorithm in Physical Realization
Title of B.E Project	Ultrasonic Based Obstruction Detector with Intruder Alarms IISC-Bangalore
Patent	“ Electronic Nose System For Food Applications ”– Published on 10 th July 2019
Book Publication	<ol style="list-style-type: none"> 1. Reviewer for the book with the title “Theory of Electromagnetics” to Pearson publication and received the letter of appreciation. 2. Author of the book “Network Theory” MEDTECH, A Division of Scientific International
Conference organized	Organized an International Conference on “ Large Area Flexible Microelectronics ” from 20 th to 22 nd December 2016.
Workshops Conducted	<ol style="list-style-type: none"> 1. Organized a Workshop on “Robotics for Industrial Automation” from 23rd to 24th March of 2018 at Tontadarya College of Engineering, Gadag. 2. Organized a Workshop on “Robotics for Industrial Automation using MATLAB” from 27th to 28th September of 2019 at Acharya Institute of Technology, Bengaluru.
Technical Talk organized	<ol style="list-style-type: none"> 1. Organized a Technical talk with title “Robotics for Industrial Automation” by GK Machineries & Robotics Private Limited, Bengaluru on 27/02/18. 2. Organized a Technical talk with title “Journey from Idea to Product” by Ideas Unlimited, Mysuru.
Invited Lectures Delivered	<ol style="list-style-type: none"> 1. Conducted Guest Lecturer classes on “Signals and System” from 28/09/2011 to 30/09/2011 at SJBIT, Bengaluru. 2. Delivered Technical Talk on “Theory of Electromagnetic” on 4/10/2012 at SJBIT, Bengaluru 3. Delivered a Technical Talk on “Robotics for Industrial Automation” on 10th October 2018 at KSIT, Bengaluru. 4. Delivered a Technical Talk on “Robotics for Industrial Automation using MATLAB” on 4th October 2019 at BEC, Bagalkot. 5. Delivered a Technical Talk on “Automation for Small Scale Industries” on 8th November 2019 at VKIT, Bengaluru.
BoS and BoE Member	Nitte Meenakshi Institute Of Technology Bengaluru.
Memorandum of Understanding	<ol style="list-style-type: none"> 1. GK Machineries & Robotics Private Limited, Bengaluru 2. Ideas Unlimited, Mysuru 3. Qtronics, Bengaluru
Technical Paper Reviewer	<ol style="list-style-type: none"> 1. Reviewer for International Journal in Measurement and Control by SAGE Publication. 2. Reviewer for Technical Program Committee in Third International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT-2018) organized by GSSS Institute of Engineering & Technology for Women held on 14 - 15 December 2018. 3. Reviewer for Technical Program Committee, IEEE International conference on Advanced Networks and Telecommunication Systems 2019. 4. Member of Advisory committee in International Conference on Chip, Circuitry, Current, Coding, Combustion & Composites (I7C - 2019) held on 28th - 29th November 2019 at SSCE, Bangalore.
Consultancy Projects Executed	<ol style="list-style-type: none"> 1. “Analysis of 5-Degree Freedom Humanoid Hand”, Ideas Unlimited, Mysuru, Rs. 10,000.00. 2. “Autonomous UAV take-off and landing on a dynamic ground vehicle”, (Wipro-IISc Research Innovation Network), Rs. 15,000.00.

Delivered online course on Control System as a **Subject Matter Expert for VTU e – Shikshana Programme – 01** from Feb 2019 to May 2019

Research Guidance				
Sl.No	Course	Date of Registration	Student Name	Research Topic
1.	Ph.D	Jan 2018	Manjunath Managuli	Identification and Characterization of Chemicals Utilizing Electronic Nose Framework
2.	Ph.D	Dec 2018	Sahana B	Analytical Framework For Fault Management In Communication Networks
3.	Ph.D	March 2019	Sameera P	Design Of Automatic Drone System To Identify Pomegranate Diseases
4.	Ph.D	-	Monica	Modelling Of Lcc Converter And Boost Converter For Multi X-Ray Applications

Subjects Taught		
Sl.No	Name of the subject	UG/PG
1	VLSI Digital Signals Processing	PG
2	Signals and System	UG
3	Digital Signal Processing	UG
4	Control System	UG
5	Logic Design	UG
6	Network Analysis	UG
7	Embedded Systems	UG
8	Management and Organizational Behaviour	UG
9	Field Theory	UG
10	Basics of Electronics Engineering	UG
11	Automotive Electronics	UG

Administrative Responsibilities

Nature of Work	Worked for (College, University)	Years of work
QEEE program	College – in coordination with IIT Bombay	August 2015 to July 2016
IIC Coordinator	College	June 2018 to Till Date
Time Table Officer	College	July 2014 to June 2015
NBA Coordinator	College	June 2015 to October 2016
University Squad Member	VTU	June 2014 to July 2014
Alumni Meet Coordinator	College	January 2016 to April 2016
Exam Paper setter	College, VTU, Other University	August 2014 to Till date
Examiner	College, VTU, Other University	June 2015 to Till date

Workshops/ Seminars Attended			
Sl.No	Course Title	Place	Date
1.	eSim, a First Course in the IoT Series for Teachers	KSSEM, Organised by IIT Bombay	21 st September 2019

2.	GW Instek Test & Measurement Seminar – 2019	Bengaluru	7 th August 2019
3.	Physical Design and it's Verification	Acharya Institute of Technology	22 nd to 26 th July 2019
4.	Future of Work	PES University, Bengaluru	5 th Jan 2019
5.	Cyber security & Forensic Analysis Summit	IISc, Bengaluru	30 th August 2018
6.	Foundation Program in ICT for Education (Online)	IIT Bombay	3 rd Aug to 7 th Sep 2017
7.	Optimization in Design and Engineering	RVCE, Bangalore	9 th to 11 th March 2017
8.	Optimization using MATLAB	RVCE, Bangalore	16 th to 18 th Feb, 2017
9.	MATLAB Fundamentals and Statistical Tools	RVCE, Bangalore	5 th to 10 th December, 2016
10.	Faculty Pedagogical Development Program	Bangalore	27 th April to 1 st May, 2015
11.	Robotics and Low Cost Automation	RVCE, Bangalore	12 th to 17 th August, 2013
12.	Stochastic Processes in Engineering and Technology	RVCE, Bangalore	18 th to 20 th July, 2013
13.	Recent trends in SCADA and Energy Management Systems	SJBIT, Bangalore	26 th to 30 th July, 2011
14.	Harmonic Analysis and FACTS Devices using Mi power package	SJBIT, Bangalore	28 th to 30 th Jan, 2010

Honors Received			
Sl.No	Year	Details of Honor	Contribution for which Award was Confirmed
1.	2018	TEXAS INSTRUMENTS	Fostering an ecosystem bridging Government, Industry and Academia
2.	2017	RSS Trust	Completion of the Ph.D degree
3.	2017	ISTE-RVCE chapter	Completion of the Ph.D degree

International Journal

1. Abhay .A. Deshpande, Dr. Nataraj K.R, “**Priority Based Motion Control of Multiple Robot Systems**”, International Journal of Innovative Research in Science Engineering and Technology(IJIRSET-2013) , PP. 305-314 January - 2013 .- **Indexed in Google Scholar**
2. Abhay .A. Deshpande, Dr. Nataraj K.R, “**A Novel Architecture for Path Planning of Mobile Robots**”, International Journal of Advance Engineering and Research Development (IJAERD-2014) , PP. 110-114 July - 2014 .- **Indexed in Google Scholar**
3. Rohit Kumar Jain , Praful S Namoshi , Satish C C , A H Muralidhar, Abhay .A. Deshpande, “**Autonomous Cleaning Vehicle for Various Platforms**”, International

Journal of Science and Research (IJSR-2014), Volume 3, Issue 3, PP. 833-836 March - 2014.

4. Nishchitha H V Prasad, Abhay A Deshpande, S Pradeepa, Siva Subbaraopattange “**Power Generation Using Piezoelectric system for Street Light System**”, International Journal of Industrial Electronics and Electrical Engineering, Volume 4, Issue 5, PP. 64-68 May - 2016.
5. Manjunath Managuli and Dr. Abhay Deshpande, “**Use of Discovery by classifier using Electronic Nose system: A Survey**”, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)- Volume 7 Issue 7, Page No. 58-79- 2018.
6. Sahana B and Dr. Abhay Deshpande “**Agent based Load Balancing for Fault Tolerant Networks**”- International Journal of Research in Electronics and Computer Engineering, Vol. 6, Issue 4, December 2018.
7. Kushaala Hande, Sahana B, Abhay Deshapande “**Analysis of Linux System Performance through CLI Tools**” Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 6, June 2019.
8. Manjunath Managuli and Dr. Abhay Deshpande, “**Description and identification of soil quality measuring development using uav's and e-nose system**”, International Journal of Recent Technology and Engineering ISSN: 2277-3878, Volume-8, Issue-3, September 2019, pp 3542-3545. – Indexed in **SCOPUS**.

National Journal

1. Nayim Ali Khan, Abhimanyu Sarada, Abhay Deshpande, “**Bionic Arm**”, Journal of Instrumentation and Control Engineering (IJIC-2017), Volume 2, Issue 2, PP. 1-7 July - 2017.
2. Ayush Jain, Maruti Nandan, Ojaswi Pandey, Abhay Deshpande, “**LI-FI Technology**” Journal of Wireless communication, Networks and Mobile Engineering Technology (JWNM-2017), Volume 2, Issue 3, PP. 1-13 July - 2017.
3. Arjun H Y , Madhusudhan S , Sanjay R , Abhay Deshpande , “**Implementation of Smoke Detector using Sensor and Op-Amp**”, Journal of Circuits and Systems (JCS-2017), Volume 2, Issue 2, PP. 1-4 July - 2017.

International Conferences

1. Abhay .A. Deshpande, Dr. Nataraj K.R, “**Design and Control of Biomimetic Robots Using Wireless Communication**”, International Conference on Electrical, Electronics Engineering and Computer Science (ICEEEA-2012), PP. 98-102, Bangalore – December 2012.
2. Abhay .A. Deshpande, Dr. Nataraj K.R, “**Smart Cleaning Device**”, Indian Sustainability Congress (ISC-2014), Bangalore – March 2014.
3. Abhay .A. Deshpande, Dr. Nataraj K.R, “**Autonomous Cleaning Vehicle for Various Platforms**”, International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-2014) , Bangalore – August 2014. The Proceeding is published in **ELSEVIER**.
4. Nishchitha H V Prasad, Abhay A Deshpande, S Pradeepa, Siva Subbaraopattange “**Power Generation Using Piezoelectric system for Street Light System**”, International Conference on Recent Innovations in Electrical, Electronics, Computer, Information, Communication and Mechanical Engineering (ICRIEEICME-2016),Bangalore – March 2016 – **Best Paper Award**.
5. Sindhi K.S and Dr. Abhay Deshpande “**Detection of Mud on Camera Lens for Advance Driver Assistance System**”, International Conference on Intelligent Computing and Control (I2C2-2017), Bangalore – June 2017 - indexed in **SCOPUS**.
6. Manjunath Managuli and Dr. Abhay Deshpande “**Emergent Vehicle Tracking System Using IR**”- International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques, December 2017, GSSS Institute of Engineering and Technology for Women, Mysore, Karnataka, India - indexed in **SCOPUS**.
7. Sameera P and Dr. Abhay Deshpande, “**Pomegranate Diseases And Detection Using Sensors: A Review**”, Second International Conference on Green Computing and Internet of Things (ICGCIoT), August – 2018 - indexed in **SCOPUS**.
8. Dr.Abhay A Deshpande, Prateek, Himanshu Shekhar, Labdhi Jain, Sahana B “**Development Of Vehicular Advisory Algorithm For Traffic And Collision Reduction**” IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT 2019), May 2019, Sri Venkateshwara College of Engineering, Bengaluru, Karnataka, India. – Will be indexed in **SCOPUS**.
9. Sumana N S, Sahana B, Dr.Abhay A Deshpande, “**Design And Implementation Of Low Power – High Performance Mixed Logic Line Decoders**” IEEE International Conference on Recent Trends in Electronics, Information & Communication

Technology (RTEICT 2019), May 2019, Sri Venkateshwara College of Engineering, Bengaluru, Karnataka, India. – Will be indexed in **SCOPUS**- ISBN: 978-1-7281-0630-4/19/\$31.00 ©2019 IEEE.

10. Sahana B, Abhay Deshpande, Harish Dayalan “**Credit Card Fraud Detection Using Machine Learning**” IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT 2019), May 2019, Sri Venkateshwara College of Engineering, Bengaluru, Karnataka, India. – Will be indexed in **SCOPUS**- ISBN: 978-1-7281-0630-4/19/\$31.00 ©2019 IEEE.
11. Sumana N S, Dr. Abhay A Deshpande, “**Design and Implementation of SRAM Architecture using SK-LCT Technique for Low Power Applications**” 3rd International Conference on Electronics and Communication and Aerospace Technology (ICECA 2019), June 2019. - Will be indexed in **SCOPUS** - ISBN: 978-1-7281-0167-5.
12. Shivakumar V Gaded, Dr. Abhay A Deshpande, “**Composite Field Arithmetic Based SBox for AES Algorithm**” 3rd International Conference on Electronics and Communication and Aerospace Technology (ICECA 2019), June 2019. – indexed in IEEE Xplore Digital Library, Will be indexed in **SCOPUS** - ISBN: 978-1-7281-0167-5.
13. Manjunath Managuli and Dr. Abhay Deshpande, “**Use Of Discovery By Classifier Using Electronic Nose System: A Survey**”, International Conference on Intelligent Machines, March 15 - 16, 2019 (ICIM-2019). – will be published by Springer in IETE Springer Series.

National Conferences

1. Abhay .A. Deshpande, “**Ultra Low-Cost Defect Protection for Microprocessor Pipelines**”, 3rd National Conference on Advanced Techniques in Electrical Engineering (ATEE-2010), Bangalore-March 2010.
2. Nidish G, Abhay .A. Deshpande, “**War-Field Life Savers**”, 3rd National Conference on Recent Advances in Technology and Engineering (RATE-2014), Bangalore-March 2014.
3. Shashank V, Abhay .A. Deshpande, “**Detection of an Object Using Image Processing on FPGA**”, National Conference on Emerging Technology in Electronics and Communication Engineering (ETECE-2014), Bangalore-March 2014.

4. Shashank V, Abhay .A. Deshpande, “**Odometric Error Reduction in Robot Localization**”, 3rd National Conference on Recent Advances in Technology and Engineering (RATE-2014), Bangalore-March 2014.
5. Venkatesh and Dr. Abhay Deshpande, “**Design And Analysis Of Blocks For An All Digital Phase Lock Loop**”, National Conference on Knowledge Dissemination of PG Projects and Research Work – 7 -8 May- 2018, RVCE, Bengaluru.
6. Shreyas H S and Dr. Abhay Deshpande, “**Design and Analysis of Components for VCO Enabled Quantizer using Different Stages of Ring Oscillator in CT Sigma Delta ADC**”, National Conference on Knowledge Dissemination of PG Projects and Research Work – 7 -8 May- 2018, RVCE, Bengaluru.

I hereby declare that the information furnished above is true to the best of my knowledge

Dr. Abhay Deshpande