<h1 style="text-align:center">BIO DATA</h1>

Personal Details

Name	:	**Dr.P.BABU**	
Designation	:	Professor	
Date of Joining	:	24-04-02	
Nature of Association	:	Regular	
Email	:	pbabu@ksrct.ac.in	

Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/ Part Time	Percentage / CGPA	Year of passing	Class Obtained
1.	Ph.D. (Information & Communication Engineering)	Anna University Chennai	Anna University Chennai	Part Time	-	2012	I
2.	M.E (Communication Systems)	Mepco Schlenk Engineering College	Madurai Kamarajar University	Full Time	75.6	2001	I with Distinction
3.	B.E (Electronics & Communication Engineering)	K.S.Rangasamy College of Technology,	Madras University	Full Time	64.5	1998	II
4	HSC	A.T.M. Hr.Sec.School,	State Board	Full Time	75.3	1994	I

S.No.				81.8	1992	--

4.	SSLC	A.T.M. Hr.Sec.School,	State Board	Full Time	81.8	1992	--

Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Professor	01-06-2015	Till date	4.3
2.		Associate Professor	-	-	-
3.		Assistant Professor	01-06-2007	31-05-2015	8.0
		Senior Lecturer	01-06-2005	31-05-2007	2.0
4.		Lecturer	24-04-2002	31-05-2005	3.1
				Total	17.3

List of Publications

INTERNATIONAL JOURNALS	
1.	**Babu, P**. and Vimalarani, G. " Boundary Tracing Algorithm for Skin Lesion Detection in Macroscopic Images ", World Engineering and Applied Sciences Journal , Vol. 8, No. 1, pp. 25-33, 2017. DOI NUMBER : 10.5829/idosi.weasj.2017.25.33
2.	**Babu, P**, M.RanjithKumar and M.Pravitha 'Paralyzed Patient Eye Monitoring Using MSP430', International Journal for Trends in Engineering & Technology,26-29,2017.
3.	**Babu, P.** and Rajasekaran, C. " Economically Precise Water Resource Management for Domestic Usage in India ", Circuits and Systems**,** Vol. 7. pp. 2821-2828, 2016.(ANNEXURE – I) DOI NUMBER: 10.4236/cs.2016.710240
4.	**Babu, P.** and Rajasekaran, C. "Denoise Based Algorithm for Active NoiseControl Systems Using Genetic Algorithm", Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No.7, pp. 1917-1929, 2016.(ANNEXURE – I) DOI NUMBER: 10.5958/2249-7315.2016.00554

5.	Kumar, Paulraj Ranjith , **Babu, P**. and Palani Sankaran, "Particle Swarm Optimization Based Sequential and Parallel Tasks Scheduling Model For Heterogeneous Multiprocessor Systems", Fundamenta Informaticae, Vol. 139, No.1, pp. 43-65, 2015 .(Annexure –I) Impact Factor :0.725 Doi: 10.3233/FI-2015-1225
6.	Selvaraj, A and **Babu,P.** "A Novel Tactic for Diminishing the Switching Activity to Lessen Power Ingesting by Data Inversion Techniques in Network on Chip" , International Journal of Applied Engineering Research, Vol. 10, No. 38, pp. 29052-29056, 2015..(Annexure –II)
7.	**Babu, P.** and Krishnan,A."Wavelet Transform-Genetic Algorithm enoising Technique.", Wulfenia Journal, Vol.19,No.12, pp.40-51,2012. (ANNEXURE – I) **Impact Factor: 0.267** Doi: 10.1007/978-3-642-22185-9_32
8.	Pavya, S. and **Babu, P.** " Design of Normalized Sub band Adaptive Filter for Acoustic Echo Cancellation.", International Journal of Computer Technology and Applications, Vol.3, No.3, pp.1232-1236, 2012.
9.	Deivaseelan, A. and **Babu, P.** "Modified Cat Swarm Optimization for IIR System Identification", Advances in Natural and Applied Sciences, Vol. 6, No.6, pp. 731-740, 2012. (**ANNEXURE – II**) Doi:10.1007/s12011.009-8409-7.17
10.	Niraimathi,M. Sivakumar,S. Vigneshwaran,R. Vinothkumar,R and **Babu, P**. "Automatic Bridge Control System", International Journal of Electronics and Computer Science Engineering, Vol. 1, No.2, pp. 485-491, 2012.
11.	**Babu, P.** and Krishnan, A. " A New Modified Wavelet based Adaptive Step Size for Improving Performance of Online Secondary Path Modelling in Active Noise Control Systems", Journal of Applied Sciences Research, Vol.7, No.5, pp. 631-644, 2011. (**ANNEXURE – II**) Doi:10.1007/s12011.009-8409-7.17
12.	Indumathi, V and **Babu, P.** "VLSI Synthesis and Comparison of Two Different Online Secondary Path Methods for Active Noise Control", CiiT International Journal,Vol.3 No.3, pp
13.	**Babu, P.** and Krishnan, A. "A New Modified Adaptive Step Size of Active Noise Control Systems", European Journal of Scientific Research, Vol. 50, No. 1, pp. 16-27, 2010. (**ANNEXURE – II**) Doi:10.1.1.11.4100
14.	**Babu, P.** and Krishnan, A. " A Modified Structure for Feed Forward Active Noise Control systems with Improved Performance", International Journal of Computer Science and Information Technology, Vol.2, No. 4, pp. 150-160, 2010. Doi:10.1.1.172.6356

15.	**Babu, P.** and Krishnan, A. " A New Variable Threshold and dynamic step size based Active Noise Control System for Improving Performance", International Journal of Computer Science and Information Security, IJCSIS Publisher,Vol.7, N0.2, pp. 160-165,2010.
16.	Kalphana, I. and **Babu, P.** "Variable Step Size in Multichannel Active Noise Control System", Journal of Computer Applications, Vol.2, No.2, pp. 9-12, 2009.
17.	**Babu, P.** and Krishnan, A. "Modified FxAFA algorithm using dynamic step size for Active Noise Control Systems", International Journal of Recent Trends in Engineering, Academy Publisher, Vol. 2, N0. 7, pp. 37-39, 2009.

INTERNATIONAL CONFERENCE	
1.	Aswin,K. Gayathri,P. Manikandan,K. Nithiya, M. And **Babu, P.** " Automated Product Mixing System using Conveyor Model Based on Embedded System" in Proc. NCRTICE, India, 2013.
2.	Indumathi, V. and **Babu, P.** "VLSI Implementation of a New Variable Step Size Method for Active Noise Control", in Proc. National Conference on Computer, Communication and Network Engineering", Coimbatore, India, pp. 403-406, 2011.
3.	Sharmila, S. and **Babu, P.** " An Improved Signal Noise Reduction Using A New Thresholding Algorithm", in Proc. ESIC , India, 2011.
4.	Saravanan, V. and **Babu, P.** "An Adaptive step size using FxLMS algorithm for feed forward Active Noise Control Systems based on a new online secondary path modelling technique." In Proc.National Conference on Trends in Communication (NCTC'10), Salem, India, 2010
5.	Kalphana, I. and **Babu, P.** "Variable Step Size for Online Secondary Path Modeling", in Proc. National conference on Emerging Trends in Communication and Information Technology", Tiruchengode, India, pp.1-7,2009.
6.	Kalphana, I. and **Babu, P.** "Variable step size in multichannel Active Noise Control system" in Proc. National Conference on N3CT, Erode, 2009.
7.	Santhakumar, K. and **Babu, P.** " Real Time Acoustic Feedback Path Modeling using Active Noise Control Systems", in Proc. National Conference on Application of Emerging Technologies", India,2008.
8.	Thilagavathi, P and **Babu, P.** " Tracking of Time Varying Channels using Two Step LMS Type Adaptive Algorithm", in Proc. National Conference on Application of Emerging Technologies", India, 2008.
9.	Mathivanan, M. and **Babu, P.** "Adaptive multirate wide band speech coding using celp" in Proc. National conference on RVSCET2007, Dindugal, 2006.
10.	Dhanasekaran, B. and **Babu, P.** "Echo cancellation for speech signal in frequency domain" in National conference on emerging trends in networks & high performance communication system, Housr, India, 2006.
11.	Bejoy Varghese, and **Babu, P.** "Multistage weighted interference cancellation with receiver diversity for D CDMA" in Proc. National conference on Recent trends in Electrical, Electronics, Instrumentation and Communication Engineering, Namakkal, 2005.

List of Workshops / Seminar / STTP/FDPs/Conference Organized

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1.	Organized two week workshop on Signals & Systems	K.S.Rangasamty College of Technology, Tiruchengode	02-01-2014 to 12-01-2014	ISTE –IIT Kharagpur
2.	Seventh National Conference on Emerging Trends in Communication and Information Technology, ETCIT-13	K S Rangasamy College of Technology, Tiruchengode	19-04-2013	K S Rangasamy College of Technology, Tiruchengode
3.	Organized two day workshop through IETE on front end and backend ASIC design using synopsis EDA Tools	K S Rangasamy College of Technology, Tiruchengode	01-03-2013 &02-03-2013	K S Rangasamy College of Technology, Tiruchengode
4.	Organized one day Workshop through Centre for Wireless Networking (CWIN) on Transforms: Continuous, Discrete and Applications	K S Rangasamy College of Technology, Tiruchengode	12-12-2-012	K S Rangasamy College of Technology, Tiruchengode
5.	Sixth National Conference on Emerging Trends in Communication and Information Technology, ETCIT-12	K S Rangasamy College of Technology, Tiruchengode	02-03-2012& 03-03-2012	K S Rangasamy College of Technology, Tiruchengode
6.	Fifth National Conference on Emerging Trends in Communication and Information Technology,ETCIT-11	K S Rangasamy College of Technology, Tiruchengode	01-04-2011 & 02-04-2011	K S Rangasamy College of Technology, Tiruchengode

List of Workshops / Seminar / STTB/FDPs Attended

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar/FDPs				
1.	Seminar on How to Write a Successful Project Proposal to Funding Agencies	K.S.Rangasamy College of Technology	21-07-2018	K.S.Rangasamy College of Technology
2.	Workshop on Antenna Design and Simulation Using ANSYS HFSS	K.S.Rangasamy College of Technology	06-03-2017	K.S.Rangasamy College of Technology

3.	Technical Communication for Scientists and Engineers	K.S.Rangasamy College of Technology	30-10-2015 to 05-12-2015	IIT Bombay
4.	Pedagogy for Effective use of ICT in Engineering Education	K.S.Rangasamy College of Technology	05-01-2015 & 19-01-2015 (Online) 07-01-2015 & 21-01-2015	IIT Bombay
5.	National Seminar on Design of Small Satellites	Kongu Engineering College, Perundurai	27-08-2015	IETE/Kongu Engineering College
6.	ISTE workshop on Control systems	K.S.Rangasamy College of Technology	02-12-2014 to 12-12-2014	IIT Bombay
7.	ISTE workshop on Signals & Systems	IIT Kharagpur	30-09-2013 to 04-10-2013	IIT Kharagpur
8.	workshop on Advanced Digital Signal Processing – theory and practice	Thiagarajar College of Engineering, Madurai	10-08-2011 To 13-08-2011	Thiagarajar College of Engineering
9	Digital signal processing an Embedded systems	VNRVJIET@CDAC, Hyderabed	18-08-2008 To 20-08-2008	CDAC
10.	Communicative English	K.S.Rangasamy College of Technology	06-10-2008 To 27-10-2008	Col's CALIBRE
11.	Workshop on Tanner Tools Pro	K.S.Rangasamy College of Technology	09-08-2008	K.S.Rangasamy college of Technology, Tiruchengode & Integrated Microsystem
12.	Short term training programme on "Recent Trends in Signal Processing	K.S.R. College of Engineering, Tirucjengode	19-03-2007 To 23-03-2007	AICTE-ISTE
13.	Workshop on Circuit Simulation Using Multisim Software	K.S.Rangasamy College of Technology	08-12-2007	K.S.Rangasamy college of Technology & Computer India ,Coimbatore
14.	Workshop on Advanced Signal Processing	Sri Venkateswara College of Engineering, Sriperumbudur	12-10-2006 to 13-10-2006	Sri Venkateswara College of Engineering,
15.	Workshop on DSP Tools for Research in Engineering and	V.M.K.V. Engineering College, Salem	17-07-2004	V.M.K.V. Engineering College, Salem

	Technology			
16.	Faculty development course on "Digital Signal Processing"	Anna University, Chennai	18-11-2003 To 22-11-2003	22.11.2003
17.	workshop on Recent Trends in Wireless Technologies	Thiagarajar College of Engineering, Madurai	18-04-2003	Thiagarajar College of Engineering, Madurai

Details of Membership In Professional Societies

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	LM 42833
2	IETE	Life Member	IETE217721

(Dr.P.Babu)