


Name	Dr. S.B. Bhanu Prashanth	
Designation	Professor and Head	
Highest Qualification	Ph.D	
Date of Joining	25th January 2016	
Total Experience	27 years in Teaching	
Journal Publications	Particulars	DOI / ISSN
	1. S.B. Bhanu Prashanth and S. Asokan, "A Programmable High Voltage Electrical Switching Analyzer for I-V Characterization of Phase Change Materials", 2, JINST T07003, pp 1-10 (July 2007)	2007 IOP Publishing Ltd and SISSA, July 2007
	2. S.B. Bhanu Prashanth and S.Asokan, "Effect of antimony addition on the thermal and electrical switching behavior of bulk Se-Te glasses", Journal of Non-Cryst. Solids, V355, Issue 3, pp 164-168 (Feb 2009)	10.1016/j.jnoncrysol.2008.11.003
	3. S.B. Bhanu Prashanth and S. Asokan, "Composition dependent electrical switching in $Ge_xSe_{35-x}Te_{65}$ ($18 \leq x \leq 25$) glasses - the influence of network rigidity and thermal properties", Solid State Communications, V147, Issue 11-12, pp 452-456 (Sept 2008)	10.1016/j.ssc.2008.07.00
	4. S.B. Bhanu Prashanth and S. Asokan, "A composition dependent thermal behavior of $Ge_xSe_{35-x}Te_{65}$ glasses" Journal of Non-Cryst. Solids V355, Issues 22-23, pp 1227-1230 (July 2009)	10.1016/j.jnoncrysol.2009.05.004
	5. P. Venkat Rao, S.B. Bhanu Prashanth, "Impact of Residual Dispersion and Power in The Presence of Nonlinearities in RZ Optical Link ", IJIREEICE, V4, Issue 6, pp116-119, (June 2016)	10.17148/IJIREEICE.2016.4628

	6. Farheen Choudhary and S.B. Bhanu Prashanth, "Design of a Low Cost Data Logger - based on ARM7LPC2148", Journal of the Instrument Society of India, V44, No 3, pp188-191 (Sept 2014)	0970-9983
Text Book Publications	1. M.S. Suresh and S.B. Bhanu Prashanth, Linear Integrated Circuits - Concepts and Applications, Prism Publishers, Feb 2011	
Conference Publications	<ol style="list-style-type: none"> 1. S.B. Bhanu Prashanth and S. Asokan, "A Programmable HVPS", National Symposium on Instrumentation, CUSAT, Cochin (Nov-Dec 2005) 2. Prabhavathi. P, S.B. Bhanu Prashanth and Premananda B.S , "Design of K Delta 1-Sigma Analog to Digital converter", One day National conference on Networking, embedded and wireless systems, BMSCE, Bangalore (August 2010) 3. Prabhavathi P, S.B. Bhanu Prashanth and Premananda B.S , "Modeling and design of K Delta 1-Sigma Analog to Digital converter", Two day national conference on Convergence of signal processing & VLSI design, SDMCE, Dharwad (August 2010) 4. P.Venkata Rao and S.B. Bhanu Prashanth, "Semiconductor Lasers in Fiber Optic Communication", National Conference on Applications of Lasers, National Degree college, Basavanagudi, Bangalore (October 4th, 2010) 5. Rajath Nagendra, S.B. Bhanu Prashanth, K.V. Paramesh and J.J. Jadhav, "Image de-noising using FPGA based Fast Median Filter for Aircraft Applications: Initial Results", National Conference on Recent Trends in Communication Technology, KSHEC, Bangalore (Jan 13th, 2012) 6. C. Chandrashekar and S.B. Bhanu Prashanth, "The design of high-performan asynchronous Static Pipelines: Initial Results", International Conference on VLSI and Signal Processing, ICVSP-2012, KSIT, Bangalore, pp 89-94, (4-5 May 2012) 7. Rajath Nagendra, S.B. Bhanu Prashanth, K.V. Paramesh and J.J. Jadhav, " Live Processing Based Image De-noising using FPGA based Optimized Fast Median Filter for Aighter Aircraft Application", International Conference on VLSI and Signal Processing, ICVSP-2012, KSIT, Bangalore, pp 216-220, (4-5 May 2012) 8. P.Venkata Rao and S.B. Bhanu Prashanth, "Studies on the effect of Apodization on the performance of Fiber Bragg Gratings", Proceedings of the National Conference on VLSI and Communication Systems-VCS-2012, BIT, Bangalore, pp 81-84 (30-31 October 2012) 	

9. Rajesh Sudi and S.B. Bhanu Prashanth, "Design and Simulation of Low Actuation Voltage RF-MEMS Capacitive Switch", Proceedings of the National Conference on Emerging Trends in Engineering & Management", PESITM, Shivamogga, pp-18 (01-02 March 2013)
10. Dharmendra N Kerur, Yasha Jyothi M Shirur and S.B. Bhanu Prashanth, "Design of mixed signal CMOS-PLL with improved acquisition and its application as frequency synthesizer", Proceedings of the One day conference on recent trends in industrial electronics and instrumentation CRTIEAI-2013, RNSIT, Bangalore, (17th June 2013)
11. Poornima M.R, S.B. Bhanu Prashanth, Dinesh Ramu, "An Intelligent-MC3PHAC based Embedded AC motor controller", One Day Conference on *RECENT TRENDS in INDUSTRIAL ELECTRONICS AND INSTRUMENTATION*, CRTIEAI-2013, Department of Instrumentation Technology in association with ISOI student chapter, RNSIT, Channasandra, Bangalore-98 (June 17, 2013)
12. Dharmendra N Kerur, Yasha Jyothi M Shirur and S.B. Bhanu Prashanth, "Design of 1GHz Mixed signal CMOS-PLL with fast phase and frequency acquisition", International conference VCASAN-2013, BNMIT, Bangalore (17th to 19th July 2013)
13. Amar, S.B. Bhanu Prashanth, "A Pulse-Wave Data Acquisition System Based on Arm Processor", International conference VCASAN 2013, BNMIT, (17th to 19th July 2013)
14. P. Venkata Rao, S.B. Bhanu Prashanth, "Dispersion Compensated Coherent Optical Dual Polarization OFDM using QAM", International Conference on Circuits, Control, Communication and Computing (I4C), M.S. Ramaiah Institute of Technology, Bangalore, pp 209-213, (04th to 06th October 2016).
15. KishoreKumar Sharma O, Naman Jain, Bhargav A K and S.B. Bhanu Prashanth, "Design & development of a bone conduction based navigation aid for the visually impaired", IEEE International Conference On Recent Trends In Electronics Information Communication Technology (RTEICT-2017), Sri Venkateshwara College of Engineering, Bangalore, pp 1683-1687 (May 19-20, 2017).
16. Atheeth S, Bhargav Anur Krishnaprasad and S.B. Bhanu Prashanth , "Pulse Rate Monitor at Pinna", International Conference on Wearable Technologies ICOWT - 2017, Dayananda Sagar University, School of Engineering, Bengaluru, Institute For Engineering Research and Publication (IFERP), P43, (22 – 23 June 2017).

Research Grants	Chief investigator for the research grant of Rs.20 Lakhs, obtained from VGST, GoK under KFIST- Level 1, for the years 2012-2014.
Memberships in Professional Bodies	<ul style="list-style-type: none"> ▪ Life member, Instrument Society of India (ISOI) ▪ Life Member, Institute of Smart Structures and Systems (ISSS) ▪ Member, IEEE
Areas of Major Interest	<ul style="list-style-type: none"> ▪ Medical Instrumentation, Analog & Digital Design, Data Converters, Embedded System Design, Amorphous Semiconductors, Optical Fiber Communication, Biosensors and biosensor networks.
Interaction with industries	Robert Bosch Engineering and Business Solutions Limited : M.Tech Project on 'Design and development of 'Bone-conduction based hearing aid for the visually impaired'.
Invited Talks delivered (2016-17)	<ol style="list-style-type: none"> 1. "Programming 8051 Microcontrollers" at KSSEM, Bangalore: March 4th 2016 2. "MSP430" on day-1 of the 3-day workshop on MSP430" at SSIT, Tumkur, 17th 2016 3. "Biosensors" in the workshop on Micro-Nano Sensors for health monitoring, departments of ML & TCE, MSRIT, Bangalore: 09th June , 2016 4. "Amorphous semiconductors" in the workshop on Modeling and Simulation of Thin Film Devices at RVCE, Bangalore: 12th June 2016 5. "Phase Change Memories", in the FDP on advanced material science, department of EEE, BMSCE : 15th June 2016 6. "Wireless Body area networks", one week workshop on wearable physiological monitoring (WPMS) and WBAN, MSRIT : 13th January 2017 7. "Power and Energy efficient WBANs" National Level Workshop on Electrobionics, Faculty of Engineering, Christ University : 11th March 2017
Workshops Attended	<ol style="list-style-type: none"> 1. International Conference on 'Liberal education and the future of Universities', India Platform, BMSCE : 10th & 11th June 2016 2. Preconference tutorial, Int. Conf on Adv. Mat and Applications ICAMA-2016, BMSCE: 15th June 2016 3. Trainers Training Program, at 3dPLM Software, Pune : 25th to 30th July 2016 4. FUNDIP - 1 day Symposium organized by the department of Chemistry, BMSCE: 05th August 2016 5. FDP101x - Foundation Program on ICT in Education (On-line) , IIT Bombay, 3rd Aug – 12th Sept 2017
Personal Interests	Psychology, Poetry, Literature and Theater