


Name	Suryanarayana K		
	Designation	Associate Professor	
	Email	suryanarayana@nitte.edu.in	
	Contact No.	9945569606	
	Joining Date	28 December 2017	
Educational Qualifications			
Ph.D	Pursuing		
	Specialization	Power Electronics and Control Systems	
	University	Visvesvaraya Technological University Belagavi	
	Year		
M.Tech			
	Specialization	System Analysis and Computer Applications	
	University	KREC, Surathkal	
	Year	2001	
B.E			
	Specialization	Electrical and Electronics Engineering	
	University	Mangalore University	
	Year	1998	
Past Experience			
Teaching	Institution	NMAM Institute of Technology	
	Position	Associate Professor	
	From	2014	
	To	Till Date	

	Institution	NMAM Institute of Technology
	Position	Assistant Professor
	From	2010
	To	2013
	Institution	NMAM Institute of Technology
	Position	Lecturer
	From	1998
	To	1999
Industry	Name	Bharat Electronics Limited, Central Research Laboratory
	Position	Member Research Staff
	From	March 2001
	To	November 20015
	Name	Sling Media Pvt. Ltd.
	Position	Technical Leader
	From	November 2005
	To	August 2007
	Name	Mistral Solutions Pvt. Ltd
	Position	Project Leader
	From	September 2007
	To	July 2008
	Name	Tandberg Technology India Pvt. Ltd
	Position	System Technologist
	From	August 2008
	To	December 2010

Areas of Interest	
1.	Power Electronics
2.	Control System
3.	Signal Processing
Professional Memberships	
1.	IEEE
2.	ISSI
Subjects Handled	
1.	Electromagnetic Field Theory
2.	Network Analysis
3.	Signals and Systems
4.	Digital Signal Processing
5.	Analog Electronic Circuits
6.	Switched Mode Power Converters
7.	Basic Electrical Engineering
B.E., M. Tech, PhD projects guided Details (Name of the Project/ Name of students/ Year) If you don't have the details kindly mention the number of Projects Guided year wise	
M.Tech	1 Project
B.E	2 Projects
Conference/Journal publications Kindly follow the format (Author(s) / Title/ Journal Name / Vol/ Issue /Date/Page)	
International Journals	
1.	K. Suryanarayana and H. Nagaraja, "Cascaded bidirectional converter topology for 700E transformerless high frequency inverter," <i>Journal of Control, Automation and Electrical Systems</i> , vol. 27, no. 5, pp. 542–553, 2016.
2.	Vishwas. K, Chaithra. L, and Suryanarayana K, "Three phase interleaved buck converter for reduced battery current ripple," <i>International journal of multidisciplinary research and advances in engineering (IJMRAE)</i> , vol. 6, no. ISSN: 0975-7074, 2014.
3.	Manasa. H S, Chaithra. L, Suryanarayana K, and N. M. Renukappa, "Peak current mode control for phase shifted full bridge zero voltage transition dc-dc converter," <i>International</i>

	<i>journal of multidisciplinary research and advances in engineering (IJMRAE)</i> , vol. 6, no. ISSN: 0975-7074, 2014.
4.	ShreyamshaB. Kumar, B. Prabhakar, K. Suryanarayana, V. Thilagavathi, and R. Rajagopal, "Target identification using harmonic wavelet based ISAR imaging," <i>EURASIP Journal on Applied Signal Processing</i> , 2006. https://doi.org/10.1155/ASP/2006/86053
International Conferences	
1.	Suryanarayana K, SwathiHatwar H., RavikiranRao M., "Design and Development of 8051 Microcontroller kit Micro-LABlet for Active Learning" <i>5th IEEE International Conference on MOOCs, Innovation and Technology in Education (MITE)</i> , 2017
2.	Akshaya D Shetty, Disha, Shubha B, Suryanarayana K, "Detection and tracking of a human using the infrared thermopile array sensor – GRID EYE", <i>IEEE International Conference on Intelligent Computing, Instrumentation and Control (ICICT)</i> , 2017
3.	Nisha, K. Vishwas, K. Suryanarayana, Rajaneesh. Acharya., "Modeling and simulation of multi coil induction heating system for semiconductor wafer processing," in <i>IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)</i> , 2016, pp. 588–592
4.	Sandeep N., S. Anantha, L. Prabhu, N. Renukappa, K. Suryanarayana, "Speed control of IPMSM motor without rotor position sensors based on MRAS observer with space vector modulation," in <i>IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)</i> , 2016, pp. 1841–1845
5.	Disha, NageshPrabhu, L. Chaithra, K. Suryanarayana, "Synchronous reference frame based transformerless single phase grid tie inverter for dc bus power evacuation," in <i>IEEE International Conference onRecent Trends in Electronics, Information & Communication Technology (RTEICT)</i> 2016, pp. 1752–1756
6.	K. Suryanarayana and H. Nagaraja, "Modeling and design of 700W digital average current mode controlled multiphase bidirectional dc-dc converter," in <i>IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia)</i> , 2015, pp. 142–147
7.	K. Suryanarayana and H. Nagaraja, "Digital perturbation injection technique for open loop frequency response measurement of boost converter," in <i>IEEE International Conference onElectrical, Computer and Communication Technologies (ICECCT)</i> , 2015
8.	K. Bommegowda, K. Vishwas, K. Suryanarayana, and N. Renukappa, "Single phase inverter control with capacitor current feedback," in <i>International Conference on Power and Advanced Control Engineering (ICPACE)</i> , IEEE, 2015, pp. 418–422
9.	K. Vishwas, K. Suryanarayana, N. Renukappa, and L. Prabhu, "Modeling of multiphase boost converter for solar battery charging system," in <i>IEEE Students' Conference inElectrical, Electronics and Computer Science (SCEECS)</i> , 2014
10.	I. Prasuna, M. Kavya, K. Suryanarayana, and B. ShrinivasaRao, "Digital peak current mode control of boost converter," in <i>IEEE Annual International Conference inEmerging Research Areas: Magnetics, Machines and Drives (AICERA/iCMMD)</i> , 2014
11.	KarunaMudliyar, Suryanarayana K, H. V. GurajaRao, L. V. Prabhu, and K. K, "Analysis of high frequency multiphase multistage boost converter," in <i>International conference on advances and development in engineering and technology</i> , no. ISBN: 978-93-8169-88-8, 2013.
12.	K. Suryanarayana, L. Prabhu, S. Anantha, and K. Vishwas, "Analysis and modeling of digital peak current mode control" <i>EEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)</i> , 2012

National Conferences	
1.	Suryanarayana. K and H. N. Nagaraja, “Analysis of inductor copper loss and capacitor ESR on transfer ratio of boost converter,” in <i>2nd National Conference on Emerging Trends in Engineering, Technology & Management</i> , vol. 30, 2015.
2.	Suryanarayana. K and H. N. Nagaraj, “Multiphase boost converter model for source current ripple reduction,” in <i>National conference on emerging trends in engineering, technology and management</i> , no. ISBN: 978-81-923049-9- 1, 2014.
3.	Suryanarayana K, “Multiphase topology for current ripple reduction in solar battery charging,” in <i>National Conference on Emerging Trends in Electronics and Communication Engineering</i> , 2013
Additional Information	
(Major Workshops /STTPs / FDP Organized attended /, Resource Person in FDP/STTP/ Workshop, Member of Review committee in Journal, Research / Consultancy Activity associated	
1.	PiOCTave Solutions, Bengaluru - Consultancy
2.	PiiTechSolutions, Bengaluru - Consultancy
3.	Consultancy to HEXMOTO Controls Pvt. Ltd. -From January 2014 – October 2017