

## Faculty Vitae

Name of the Faculty					
Ms.S.PHILOMINA					
Education					
	Degree	Discipline	Institution	Year	
UG	B.E	EEE	Sudharasan Engineering College	2004	
PG	M.Tech	Embedded System	Bharath University	2007	
PhD	PhD	Wireless and Embedded System	Bharath University	Pursuing	
Academic experience					
	Institution	Title	From	To	FT/PT
	Bharath University	Assistant Professor	2007	Dec 2016	FT
	Bharath University	Associate Professor	Jan 2017	Till date	FT
Certifications or professional registrations					
Nil					
Membership in professional organizations					
Nil					
Honors and awards					
Nil					
Service activities (within and outside of the institution)					
Participated in flood relief campaign organized by Bharath University, Chennai in 2015					
List of Publications					
<ul style="list-style-type: none"> <li>• Philomina S., An optimal analysis for design of Viterbi decoder, Middle - East Journal of Scientific Research, 2013.</li> <li>• Philomina S., Secured ATM transaction using GSM, Middle - East Journal of Scientific Research, 2013.</li> <li>• Philomina S., Controlling of automation systems using wired protocols, Middle - East Journal of Scientific Research, 2013.</li> <li>• Philomina S., Design portal of a wireless linked naval substation for international boundary scanning and surveillance system, Middle - East Journal of Scientific Research, 2013.</li> <li>• Philomina S., Wireless embedded device based on Zigbee technology for monitoring</li> </ul>					

physiological parameter, Middle - East Journal of Scientific Research, 2013.

- Philomina S., Karthik B., Wi-Fi energy meter implementation using embedded linux in ARM 9, Middle - East Journal of Scientific Research, 2014.
- Philomina S., Remote control system using embedded linux and ARM 9 Middle - East Journal of Scientific Research, 2014.
- Philomina S., Sophisticated home appliance control system using embedded linux, Middle - East Journal of Scientific Research, 2014.
- Philomina S., General purpose embedded systems using linux and wireless protocols, Middle – East Journal of Scientific Research, 2014.
- Philomina S., An electronic system for evaluating CO2 emission using embedded systems, Middle - East Journal of Scientific Research, 2014.
- Dolphin Kiruba D., S. Philomina An Efficient Energy Saving Energy Distribution Management System, IJAER, 2014.
- M.K.Vidhyalakshmi, S.Philomina, Fingerprint Compression Using Contourlet Transform with Fuzzy C Means Vector Quantization and Arithmetic Encoding, IJAER, 2014.
- Philomina.S, Dr.Ramesh, Maximum Demand Control Using Ad-Hoc Network to avoid grid failure, IJAER 2015.
- Philomina.S, Dr.Ramesh, TRR-AODV based performance enhancement in Mobile Adhoc Network, Journal of Advanced Research in Dynamical & Control Systems, Vol. 9, No. 1, 2017.

#### Recent professional development activities

- Philomina S., Dr.R.Ramesh., Advanced AODV-Performance enhancement in Mobile Adhoc Network, ICTPACT, IEEE, ISSN NO : 978-1-5090-3381-2, April 2017
- Philomina S., Sathya Narayan R., Hari Krishna. T., Survey on Congestion control in MANET, ICTPACT, IEEE, ISSN NO : 978-1-5090-3381-2, April 2017
- Y. Thirupathi Reddy, S.Venkat Reddy, Yarramasu Nagababu, V.Tarakeshwar Rao, S.Philomina, Implementation of Li-Fi Technology, ICTPACT, IEEE, ISSN NO : 978-1-5090-3381-2, April 2017
- Philomina S., Sathya Narayan R., Survey on DOS attack in MANET, ICVESCOM 2017, April 25-26, 2017
- Philomina S., Improved energy efficiency using routing algorithm in wireless

communication, ICVESCOM 2016, May 2017.

- Participated in one day Workshop on NS2, Bharath University, December 2016.
- Participated in one day seminar on the impact of setting up research lab in collaboration with Schneider electrical, Bharath University, 2015.
- Participated in the Presentation of Research article by Elsevier Jan 2015.
- International Workshop on “Methodologies on Writing Thesis. Proposals and Journals”, January, 2017.
- National Workshop on Matlab and Simulink - at Bharath University, 2014
- International Workshop on Methodologies on writing Thesis, Proposals and Journals, at SreeSastha Institute of Engineering and Technology, Chennai in Jan 2017.
- Received certificate of appreciation for coordinating IEEE Conference ICTPACT April 2017
- Received certificate of appreciation for coordinating IEEE Conference ICAMMAET February 2017