

CURRICULUM VITAE

NAME : **N.SHARMILI**
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Marripalem, Visakhapatnam – 530 018.
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Objective:

I am enthusiastic and self-learning person interested in enhance Teaching & Learning in the areas of **Embedded Systems, Microprocessors and Interfacing, Computer Networks, Network Security & Cryptography, Image Processing and Internet of Things.**

Present Status:

Completed **PhD** in Dept. of Computer Science and Systems Engineering, Andhra University.
Present I am working as an Associate Professor in CSE Department in GVPCEW, Visakhapatnam..

Experience profile :9yrs 3 months teaching experience + 1 yr research experience

- [1] One Semester teaching experience as an lecturer in Vignan's Engineering College, Visakhapatnam.
- [2] One Year teaching experience as an Assistant Professor in BVC Engineering College, Odalarevu.
- [3] One Year teaching experience as an Assistant Professor in Chaitanya Engineering College, Visakhapatnam. (June 2005-.June 2006).
- [4] One and half Year teaching experience as an Assistant Professor in GVP College of Engineering, Visakhapatnam.(June 2006-Dec 2007).
- [5] 4 Years teaching experience as an Associate Professor in GVP College of Engineering, Visakhapatnam. (Dec 2007- Dec 2011).
- [6] One year research experience as a Project Engineer in AU- NSTL Project, Dept. of Computer Science & SystemsEngg, AUCE(A), Visakhapatnam. (April-2013 - April 2014).
- [7] One year teaching experience as a Associate professor in Vignan's institute of Information Technology (Nov 2015- till now)

Academic Qualifications :

Degree	Specialization	Board / University	Year of Pass
PhD	CS&SE	Andhra University	2016
M.Tech	CST	GITAM College of Engineering Andhra University	2002 - 2004
B.Tech	ECE	J.N.T.U Kakinada	1997 - 2001
Intermediate	M.P.C	Paramjyoti Junior College Amalapuram	1995 - 1997
SSC	-	ZPG High School, Amalapuram	1995

Paper Presentations:

International journals -3

- [1] [Sharmili N](#), Peter Praveen J, YaminiSankarChallari, “Secure Wireless LAN Deployment ”, Ubiquitous Computing and Communications journal, September 2010, Volume 5, number 1, ISSN : 1994-4608 (Online) http://www.ubicc.org/files/pdf/470_470.pdf
- [2] [N.Sharmili](#), [SeethaRamaiah P](#) , “Image Compression and Resizing for Retinal Implant in Bionic Eye”, International Journal of computer science and Engineering survey, Volume 2, Number 4, May 2011, ISSN : 0976-2760 (Online), pp.30-37. <http://airccse.org/journal/ijcses/papers/0511cses04.pdf>
- [3] [N.Sharmili](#), [SeethaRamaiah P](#), “A Real – Time Research Platform for Extraocular Image Processing of Epiretinal Prosthesis”, International Journal of Computer Science and Information Technologies, Vol. 6, Number 2 , 2015, 1134-1140, ISSN : 0976-9646 (Online) <http://ijcsit.com/docs/Volume%206/vol6issue02/ijcsit2015060247.pdf>(impact factor- 2.93)

Communicated Journals - 02

- [4] [N.Sharmili](#), [SeethaRamaiah P](#) , “A Real Time Research Platform for Epiretinal Prosthesis” communicated to IEEE Transactions of Biomedical Circuits and Systems.

International Conferences -04

- [5] [N.Sharmili](#), [SeethaRamaiah P](#), “Embedded Vision for Retinal implant” International conference on Computational Vision and Robotics” ICCVR held at Bhubaneswar, Odissa, India, August 19-20, 2012.
- [6] [N.Sharmili](#), [SeethaRamaiah P](#), “Embedded Vision for Epi-retinal Prosthesis” International conference on. Reliability, Infocom Technologies and. Optimization (ICRITO 2013). (Trends and Future directions), AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, Uttarpradesh, India, January 29- 31 , 2013.
- [7] [N.Sharmili](#), [SeethaRamaiah P](#), “Programmable Digital Vision processor for Retinal Prosthesis”IEEE International Conference on. Advanced Research in Engineering and Technology. ICARET – 2013, K L University, Vaddeswaram, Guntur District, AndhraPradesh, India, February 8- 9, 2013 , 2013.
- [8] [N.Sharmili](#), [SeethaRamaiah P](#), “A Real – Time Research Platform for Extraocular Image Processing of Epiretinal Prosthesis”IEEE International Journal of Computer Science and Information

Technologies. IJCSIT – 2015 AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, Uttarpradesh, India, February 8- 9, 2015.

National conferences– 07

- [9] [N.Sharmili](#), [SeethaRamaiah P](#), “Image Processing and Interface for Retinal Implant in Bionic Eye”, “National conference on Mobile and Embedded technology” MECON – 2011, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, INDIA, March 10 – 11,2011.
- [10] [N.Sharmili](#), [SeethaRamaiah P](#), “Image Processing on DSP for Retinal Implant in Bionic Eye”, “4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies-2011”,AarupadaiVeedu Institute of Technology, Madras, INDIA, April 7– 8,2011.
- [11] [N.Sharmili](#), [SeethaRamaiah P](#), “Microcontrollor Based Image Processing Module for Retinal implant”, Proceedings of the National Conference AIRES-2012, Andhra University, Visakhapatnam, Andhra Pradesh, India, June 29-30 , 2012.
- [12] N.Sharmili, P.Padmaja, —Serial Communication in Intelligent systems, —National conference on Mobile and Embedded technology, MECON – 2011, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, INDIA, March 10 – 11,2011.
- [13] N.Sharmili, P.Padmaja, —Serial Communication in Intelligent systems using SPI,I2C,CAN, —4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies-2011, AarupadaiVeedu Institute of Technology, Madras, INDIA, April 7– 8,2011.
- [14] N.Sharmili, M.Ramana, —A Digital Watermarking scheme for copyright of images, Proceedings of the National Conference NCIS-2011, Manipalcentre for Information Science, Manipal University, Manipal, Karnataka State, India, April 29-30 , 2011.
- [15] N.Sharmili, K.V.N.Deepthi, N.Bharathi, —Fault Tolerant Encryption Scheme for Satellite Images Using Modified AES Algorithm, Proceedings of the National Conference NCIS- 2011, Manipalcentre for Information Science, Manipal University, Manipal, Karnataka State, India, April 29-30 , 2011.

Work Shops & Training Programs :

- Attended a National Seminar on Cloud Computing Conducted by Department of Computer Science, GITAM University on 7th and 8th September 2012
- Attended a Faculty Development Program on Cloud Computing Conducted by Tata Consultancy Services, Hyderabad on 16th April, 2011.
- Attended a Faculty Development Program on Service Oriented Architecture Conducted by Tata Consultancy Services, Hyderabad on 16th April, 2011.
- Attended a Work Shop on “Testing Tools (Module-1)” Conducted by STQC at Indo German Institute of Advanced Technology, Visakhapatnam on 29th – 31st August 2008.
- Attended a Work Shop on “Bio Informatics and Speech Recognition” Conducted by Prof. Roger Marshall at GayatriVidyaParishad College of Engineering, Visakhapatnam on 21st – 26th July, 2008.
- Attended a Work Shop on “Embedded Systems” Conducted by Prof. B. Kantha Rao at GayatriVidyaParishad College of Engineering, Visakhapatnam on 11th – 13th June, 2008.

Projects guided: Under-Graduate / Post Graduate

- i) Infrared coding for pulse width modulated transmission for remote switching the light

- ii) SPI and UART serial communication
- iii) Face morphing
- iv) Two stage object tracking based on Kernel and Active contour
- v) Implementing best image processing algorithms for Retinal Implant (PG)
- vi) Water marking scheme for copyright of digital images (PG)

Particulars of Experience in Institutional Administration:

- i) Examination Incharge for department
- ii) Given a lecture and worked as a coordinator for Workshop on Interfacing through Microprocessors conducted on 28th October to 30th October 2010 in GVP College of engineering.
- iii) Given technical support A SHORT TERM TRAINING PROGRAM ON “EMBEDDED SYSTEMS” conducted on 31st July — 2nd August, 2008 in GVP College of engineering
- iv) Worked as a coordinator for Vector -08 symposium conducted on 2008 in GVP College of engineering
- v) Worked actively in various events in GVP College of Engineering.
- vi) Conducted a Coding Contest for Tech Fest in Vignan’s Institute of Information Technology.

Technical Skills:

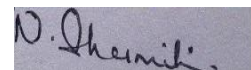
Operating System	:	LINUX, WIN’XP/2003/2008/7 &8, Embedded systems
RDBMS	:	Oracle 10g, SQL SERVER 7.0
GUI	:	Visual Basic 6.0, VC++ 6.0
Languages	:	C, C++, JAVA
Embedded processors	:	Microcontrollers -8051, PIC32, ARM7.
H/W Designing tools	:	Tina S/W Circuit simulator , ORCAD S/W for PCB Design

Personel details :

NAME	:	N. SHARMILI
Husband’s Name	:	J.RAMAKRISHNA
Date of Birth	:	16 th Oct, 1980
Nationality	:	Indian
Religion	:	Hindu
Sex	:	Female
Marital Status	:	Married
Languages Known	:	English, Hindi, and Telugu

PLACE : VISAKHAPATNAM

DATE : 05-10-2016



(N.SHARMILI)

Subjects Taught

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- C Programming
- Computer Organization
- Database Management System
- Design and Analysis of Algorithms
- Compiler Design
- Digital Logic Design
- Embedded Systems
- Microprocessors and Interfacing
- Data Communication
- Computer Networks
- Cryptography and Network Security
- Digital Image Processing
- E-Commerce
- Information Security

Subjects Expertise

**Embedded Systems
Computer Networks,
Network Security & Cryptography,
Image Processing
Internet of Things**