

CURRICULUM VITAE

Dr.B.VIJAYA LAKSHMI

Email ID:bvl @gvpcew.ac.in

Phone No:9440108188

House Address : Door No:43-1-53, FLAT NO:102,

Subbalakshmi nagar,savitri residency,

Rly New Colony,VISAKHAPATNAM-16

CAREER OBJECTIVE

To work with an organization that gives me an opportunity to utilize and integrate all my skills and apply them together to work with enthusiasm as group or individual for leading towards the growth of the organization.

EDUCATIONAL QUALIFICATION

Name of the Degree	Name of the College	Name of the University	Year of Passing	Specialization
Ph. D	University College of Engineering,ANU,	Acharya nagarjuna university,GUNTUR	2019	Optimized spectrum sensing for cognitive radio
M. Tech	University College of Engineering, Kakinada.	Jawaharlal Nehru Technological University, Kakinada.	2009	Electronics and communications(I&C)
B.Tech	IETE ,Delhi	AMIETE ,Delhi	2000	Electronics and Communication Engineering
Diploma	Govt. polytechnic for women , Kakinada	State board of technical education,A.P	1991	Electronics and Communication Engineering
Xth Class	Board of Secondary Education		1985	

RESEARCH PUBLICATIONS

Journal Papers

- [1] Design of test module for embedded system using psoc(i-manager's Journal on Communication Engineering and Systems, Vol. 7 INo. 4 1August - October 2018)
https://r.search.yahoo.com/_ylt=Awrsgq9cdNZdvxAA.R3nHgX.;_ylu=X3oDMTEyMXNxbXIyBGNvbG8Dc2czBHBvcwMxBHZ0aWQDQjg4NjhFMQRzZWMDc3I-/RV=2/RE=1574364381/RO=10/RU=http%3a%2f%2fmanagerpublications.com%2fviewarticles%2f15%2f933%2fVol7Iss4/RK=2/RS=VGoM.nRoW2.kpQPG1bIs5v6b3pk-
- [2] B. V. Lakshmi and Dr. P. Siddaiah. Non cooperative Game theory–Cognitive Radio. Journal of Wireless communication, Networks and Mobile Engineering Technology, Volume 3 Issue 1, 2018.
<http://mantechpublications.com/admin/index.php/JoWCNMET/issue/viewIssue/918/1019>
- [3] B. V. Lakshmi and Dr. P. Siddaiah. Cognitive Radio Spectrum Sensing Detection Methods Using MATLAB Simulink. Journal of advances in Communication Engineering and Innovations, Volume 3 Issue 2, 2018. <http://mantechpublications.com/admin/index.php/JoACEII/issue/viewIssue/1176/1294>
- [4] B. V. Lakshmi and Dr. P. Siddaiah. Spectrum Sensing in Cognitive Radio using MIMO technique. International Journal of Research in Electrical, Electronics and Communication Engineering, Volume 3 Issue 2, 2018. <http://mantechpublications.com/admin/index.php/IJoEECE/issue/viewIssue/1330/1480>
- [5] B. V. Lakshmi and Dr. P. Siddaiah. Anfis Based Power Control for Cognitive Radio. Journal of Wireless communication, Networks and Mobile Engineering Technology, Volume 3 Issue 1, 2018
<http://mantechpublications.com/admin/index.php/JoWCNMET/issue/viewIssue/919/1020>.
- [6] B. V. Lakshmi and Dr. P. Siddaiah. Dynamic spectrum allocation using Genetic algorithms. ANU JOURNAL March 24 and 25, ISSN:0976-3414, 2017. **(UGC Referred Journal)**
- [7] B. V. Lakshmi and Dr. P. Siddaiah. Spectrum Sensing Techniques for Cognitive Radio. ANU JOURNAL March 24 and 25, ISSN: 0976-3414, 2017. **(UGC Referred Journal)**
- [8] B. V. Lakshmi and Dr. P. Siddaiah. VLSI technology for Cognitive Radio. IOP Conference series: Materials Science and Engineering, Vol 225 012118, 2017. **(Scopus Indexed Journal)**
<https://iopscience.iop.org/article/10.1088/1757-899X/225/1/012118>
- [9] B. V. Lakshmi and Dr. P. Siddaiah. Cooperative Spectrum Sensing Technique Based on Blind Detection. International Journal of Advanced Engineering, Management and Science (IJAEMS), Vol-2, Issue-10, ISSN: 2454-1311, 2016. **(Scopus Indexed Journal)** <https://ijaems.com/detail/cooperative-spectrum-sensing-technique-based-on-blind-detection-method/>
- [10] B. V. Lakshmi. 5G Mobile Technology: A survey. Journal of Electronics and Tele-communications Engineering, Volume 1 Issue 3, 2016.
<http://mantechpublications.com/admin/index.php/JoWCNMET/issue/viewIssue/225/220>

- [11] B. V. Lakshmi and Dr. P. Siddaiah. Fuzzy Logic Based Spectrum Accessing For Cognitive Radio. Journal of Electronics and Tele-communications Engineering, Volume 1 Issue 2, 2016.
<http://mantechpublications.com/admin/index.php/JoETCE/issue/viewIssue/228/223>

Conference Papers

1]UGC Sponsored National Seminar on “Small Satellite Systems”(SSS-2018) held at Acharya Nagarjuna University, Guntur, Andhra Pradesh on April 20th-21st , 2018

- [1] B. V. Lakshmi and Dr. P. Siddaiah. Anfis based power control for cognitive radio. IETE Mid Term Symposium, MTS, Andhra university (A.U), 2018.
- [2] B. V. Lakshmi and Dr. P. Siddaiah. Spectrum Sensing Techniques for Cognitive Radio. ANU JOURNAL March 24 and 25, 2017.
- [3] B. V. Lakshmi and Dr. P. Siddaiah. VLSI Implementation of Optimized Spectrum Sensing Scheme for Cognitive Radio. RAIT conference, ISM Dhanbad, March 3-5, 2016.
- [4] B. V. Lakshmi and Dr. P. Siddaiah. Cyclo-stationary detection spectrum sensing for cognitive radio. NCRCE conference, ANITS, Visakhapatnam, Oct 1-2, 2016.
- [5] B. V. Lakshmi and Dr. P. Siddaiah. VLSI technology for Cognitive Radio. International Conference on Advanced Material Technologies (ICAMT), Dadi Institute of Technology, India, 27-28 Dec, 2016.

Student journal and conference papers:

[1]. Genetic Algorithm Approach for cognitive radio technology

International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 5, Issue 4, April 2016(ISSN: 2278 – 909X International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 5, Issue 4, April 2016

B.Vijayalakshmi¹ , K. Harika² ,A.Srujana³ ,J.Mounika⁴ ,K.Darshana⁵ Assistant Professor¹ , Student^{2, 3, 4, 5} 1,2,3,4 ,5Department of Electronics and Communication Engineering, 1,2,3,4,5 Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam, Andhra Pradesh, India

[2. VLSI Implementation of an Optimized Flexible Spectrum Sensing Scheme for Cognitive Radio ISSN 2322-0929 Vol.03, Issue.10, December-2015, Pages:1499-1504 Inter national journal of VLSI SYSTEMS AND COMMUNICATIONS(IJVDOS)K. AKHILA SUDHA¹ , B. VIJAYA LAKSHMI² 1M.Tech ScholarIndia. 2Asst Prof, Dept of ECE, Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam, AP, India

[3]. Design and Development of ADIOS Based Pulse Input Counter Module for MPROGICON – 5000 PLC SYSTEMS . International Journal of Advanced Research in Science and Technology journal homepage: www.ijarst.com ISSN 2319 – 1783 (Print) ISSN 2320 – 1126 (Online) S K.Sandhya¹ *,B. Vijaya Lakshmi¹ and Y. Gowri Sankar² 1 Dept. of ECE (VLSI & ES), Gayatri Vidyaparishath Engineering College for Women, Vishakhapatnam, India. 2Technical Manager, CAD RED, ECIL, Hyderabad, India. (2014)

[4]. Presented paper on_ IETE CONFERENCE,NSTL, VISAKHAPATNAM
Real-time dwell scheduling of task in phased-array radarsB. Vijaya Lakshmi, Assistant professor,gvpcew,

bvl@gvpcew.ac.in P.S.Ramya, srilakshmipedapudi@gmail.com

[5]. **Presented paper on NCRTECE-2014 Spectrum Sensing Techniques for Cognitive Radio** B. Vijaya Lakshmi, bvl@gvpcew.ac.in, K.Katyayini, klgthkati@gvpcew.ac.in K. Divya, divyakaja7@gmail.com, P. Srilaxmi, srilakshmipedapudi@gmail.com Dept of ECE, GVP College of Engineering for Women, Visakhapatnam

[6]. **Cognitive radio spectrum sensing detection method using matlab simulink (JNTU-K STUDENTS WORKSHOP, 2018)** B. Vijaya Lakshmi, bvl@gvpcew.ac.in Pappu Sonu pappusonu8@gmail.com Madhi Swathi swathimadhi683@gmail.com Yellapu Yagyna Sree yellapu.yagyna@gmail.com

[7]. **COGNITIVE RADIO SPECTRUM HANDOFF USING FUZZY LOGIC (JNTU-K STUDENTS WORKSHOP, 2017)** B. Vijaya Lakshmi, bvl@gvpcew.ac.in A.U.H.Chandana chandanaakella1997@gmail.com A.L.P rathyusha appalla.prathyusha11@gmail.com

[8]. Cooperative spectrum sensing in cognitive radio using machine learning concept: A survey
EJERS, European journal of engineering research and science vol.4 no.2506-8016, 2018

[9]. **Design of an X-Band Active Gilbert Cell Mixer MMIC Using 0.7µm GaAs MESFET Process** 978-1-5090-2684-5/16/\$31.00 ©2016 IEEE V Anusha Vallabhavajhala, B. Vijaya Lakshmi Dept. of Electronics and Communication, Gayatri Vidya Parishad College of Engineering For Women, Visakhapatnam. anu.evercool.sha@gmail.com

[10]. Cooperative spectrum sensing in cognitive radio using machine learning concept: a survey
B. Vijayalakshmi¹, P. Giri Devi², P. Sai Laharika³, V. Tejasri⁴, P. Menaka⁵ Assistant Professor¹, Students^{2, 3, 4, 5}
¹Department of Electronics and Communication Engineering^{1, 2, 3, 4, 5} Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam, Andhra Pradesh, India

FDP's & Workshops: UGC Sponsored National Seminar on "Small Satellite Systems" (SSS-2018) held at Acharya Nagarjuna University, Guntur, Andhra Pradesh on April 20th-21st, 2018

- A Two day Workshop on Cognitive Radio Technologies GVP College of Engg for Women, 2015 (organized)
- A six-days FDP on advanced Digital signal Processing and applications, Organized by the E & ICT academy, NIT Warangal, GVP(A), Visakhapatnam, 2016 (participant)
- A Two day Workshop on Electromagnetic and RF Fundamentals GVP College of Engg for Women, 2016. (organized)
- A Three day Workshop on Signal Processing and Communication Systems, GVP College of Engg for Women, 2017.
- Attended the Three day National workshop on " Cryptology and Cyber Security (WCCS 2018) " organised by Dept. of ECE, GVPCEW during 22nd - 24th March, 2018.
- A Two day Workshop on "Digital Communication and Wireless Communication Fundamentals, organized by the GVPCEW, 2018 (organized).
- Biological inspired computing & applications GVPCEW (09/03/2018 - 11/03/2018 (participant)
- UGC Sponsored National Seminar on "Small Satellite Systems" (SSS-2018) held at Acharya Nagarjuna University, Guntur, Andhra Pradesh on April 20th-21st, 2018
- A one day Workshop on "IEEE Launch & Learn Knowledge Feast" on 25th September at Hotel Novotel, Beach Road, Visakhapatnam. 2019 (participant)

Online Courses NPTEL:

- Principles of communications systems-1 12 weeks (31/01/2018 - 21/04/2018) by IIT, kharagpur.
- Switching theory and logic design 12 weeks (july-oct,2018) by IIT, kharagpur.
- Digital circuits 12 weeks (july-oct,2018) by IIT, kharagpur.
- Software defined radio 4 weeks by (IIT31/01/2018) Rourekela

Technical Skills: MATLAB Simulink Model

Teaching Experience:

- Ten years Worked as Assistant Professor in ECE Department from April 10th2009 to till date at **Gayatri Vidya Parishad College of Engg for Women.**
- Five years working as Assistant Professor in ECE Department from 2004-2009 in SANKETHEKA ENGINEERING COLLEGE ,Visakhapatnam
- Total Experience is 15 Years.

Subjects Thought:

- Analog Communication
- Electronic Devices & Circuits
- Digital Logic Design
- VLSI for B.Tech and M.Tech
- Linear IC Applications
- Instrumentation
- Electronic Measurements and Instrumentation
- Switching theory and logic design
- Principals of communication
- Micro Electronic
- Electronic circuit analysis
- Optical communication

Personal Skills:

- Excellent problem solving skills and a self starter.
- Takes initiative and works independently or as part of a group.
- Well organized and easily meets deadlines

Personal Profile:

Name	:	Dr.B.VIJAYA LAKSHMI
Date of Birth	:	17- 08-1970
Sex	:	Female

Marital status : Married
Languages known : English , Telugu&Hindi
Nationality : Indian

Address:

W/O K.S.N.Murthy
D.No.43-11-53 Flat NO: 102,SAVITRI RESIDENCY,
RLY .NEW COLONY
Visakhapatnam.
PIN- 530044.

The Information Furnished above is true to the best of my knowledge and belief.

Place: Visakhapatnam
Date :

Yours Sincerely,
Dr.B.Vijaya Lakshmi