Dr BATHULA SIVA KUMAR REDDY

CURRICULUM VITAE

PERSONAL INFORMATION

Citizenship: India

Language Spoken: Telugu, English, Hindi

Address: H.No.403, Sri Sai Dwaravathi Residency, Phase 1,

KLR Venture, Medchal, Malkajgiri- Medchal (Dt), Telanagna, 501401

E-mail: bsivakumar100@gmail.com, siva.sdr.comm@gmail.com

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EDUCATION

Degree	Specialization	Institution / University	Year of Passing	Division / Equivalent	Percentage
Ph.D	Signal Processing for Wireless Communications	National Institute of Technology (NIT), Warangal	2016	Awarded on 27-8-2016	-
M.Tech.	VLSI System Design	JNTU Hyderabad	2012	First class with Distinction	81.06 %
B.Tech	Electronics and Communication Engineering	JNTU Hyderabad	2009	First class	65 %
+2 (Intermediate)	Mathematics, Physics, Chemistry	Board of Intermediate Andhra Pradesh	2005	First class with Distinction	95.8 %
SSC		Board of Secondary Education Andhra Pradesh	2003	First class with Distinction	85.6 %

Research Interests:

Software Defined Radio, Cognitive Radio, Multi Carrier Modulation, OFDM, PAPR Reduction techniques, Adaptive Modulation and Coding, Spectrum Sensing, Channel Estimation/Equalization/Synchronization, QoS provisioning in 3G/4G cellular wireless networks, Performance evolution of WiMAX, LTE systems.

Academic Projects:

PhD:

Title: Performance Improvement Techniques for WiMAX Systems

Short note: To make wireless communications more energy efficient, we have developed a common platform that is Software Defined Radio to implement all the wireless standards and validate proposed techniques in real time environment with experimental results. In my work, differentperformanceimprovementtechniquessuchasforwarderrorcorrectioncoding,adaptive modulation and coding, antenna configurations, peak to average power ratio reduction (PAPR) and spectrum sensing (SS) methodologies are employed to make WiMAX systems more energy efficient.

M.Tech:

Title: An USART Implementation on FPGA board using VERILOG

Short note: This work presents a Universal Synchronous Asynchronous Receive Transmit (USART) implementation on FPGA board using VERILOG for use in embedded systems and System on Chip (SOC). The design uses Hardware Description Language (HDL) to describe the operation, ease implementation and allow cross platform utilization.

B.Tech:

Title: Remote Electricity Billing System Using GSM Modem.

Shortnote: AutomaticMeterReading(AMR)isastate-of-the-arttechnologyforreadingelectric, gas or water meter readings automatically from a remote place without any human intervention. Remote metering promises fast and accurate billing system. In this work, a technique for remotely reading electricity meter readings using Short Message Service (SMS) has been illustrated. Existing Global System for Mobile communications (GSM) networks have been used for sending and receiving SMS. A prototype of the system has been designed and developed for system exploration andexperiment

PROGRAMMING/COMPUTER SOFTWARE EXPERTISE

ScientificApplications:GNURadio,NetworkSimulator2,MATLAB/Simulink,Labview,PSpice, ADS.

Technical Drawing: Microsoft Visio, Origin Pro, PhotoShop, WinFig, XFig, Latex.

Office Applications: Microsoft PowerPoint, Access, Excel, Word, Lotus Notes.

Hardware: Ettus USRP B series, USRP N210, USRP E310, USRP X series, National Instrument USRP platforms, Xilinx FPGA, Zybo, Nexusboards.

PROFESSIONAL/ PERSONAL ACTIVITIES/EXPERTISE

Research Experience:4 yrs (2012-2016)

Worked as a Research Scholar for four years duration in National Institute of Technology, Warangal. During this period I was involved in the major research activity on wireless communication using Software Defined Radio platform.

Teaching Experience: ~5.2 yrs (2016 to Till date)

S.No.	Institute Name	Designation	Duration
1	Institute of Infrastructure Technology Research and Management, Government of Gujarat, Ahmedabad	Assistant Professor	27-10-16 to 22-10-2018
2	Koneru Lakshmaiah (KLU) Deemed to be University, Vijayawada, Andhrapradesh	Associate Professor	12-11-2018 to 31-5-2019
3	CMR Engineering college, Hyderabad	Associate Professor	11-07-2019 to till date

Courses taught:

Held lectures, tutorial sessions, lab experiments and office hours for the following courses:

- Introduction to Electrical and Electronics Engineering(B.Tech)
- Probability and Stochastic Process (PTSP)
- Network Analysis and Transmission Lines(BTech)
- Analog and Digital Communication Systems Theory and Lab(B.Tech)
- Software Defined Radio Theory and Lab(M.Tech)
- Advanced Wireless Communications(M.Tech)
- Artificial Intelligence and Machine Learning(M.Tech)
- Channel Estimation and Detection Techniques(M.Tech)

Workshops conducted:

- Acted as a coordinator for conducting a workshop DTE (Directorate of Technical Education) sponsored STTP "A Five Day Workshop on Evolutionary Trends in Signal Processing and Wireless Communication" during 19th-23rd March,2018.
- Acted as a coordinator for conducting a STTP ON "A Five Day Workshop on Wireless Communication AND Soft computing" during 27thJanuary -1stFebruary,2020.
- Acted as a coordinator for conducting a STTP ON "A Five Day Short Term Training Program (STTP) on "Research in the area of Communication & Signal Processing" ,during 26thJuly – 30th July, 2020.

Guest Lecture

- Given a guest lecture "IoT Infrastructure and Applications" organized by Dept. of ECE, Lord's Institute of Technology, Hyderabad on 17th May, 2021.
- Given a guest lecture "Software Defined Radio and Its Role in Future WirelessCommunication Technology" during the Online Workshop on Rising Trends in Computer Science organized by U&PU. Patel Dept. of ComputerEngineeringon23rdMay,2020.
- GivenaguestlectureandHands-onSessionon"RecentAdvancesinWirelessCommunication" in a FDP program which conducted by the Dept. of ECE, Lakkireddy Balireddy College of Engineering, Vijayawada on 6thNovember, 2019.

Reviewer:

- International Journal of Microwave and Wireless Technologies- Cambridge University, UK
- Wireless Networks Journal-Springer, USA
- Electronics and Telecommunications Research Institute (ETRI) Journal, Korea
- Wireless Personal Communications-Springer, USA
- IEEE International Symposium on Telecommunication Technologies, Malaysia
- International Conference on Computing, Communication and Automation, India
- Journal of Digital Communications andNetworks-Elseiver-2016

Workshops/ Seminars attended:

- Attendedwebinaron“NOMAfor5GTechnology”organizedbyDepartmentofInformation Technology, St Joseph Group of Institutions, Chennai held on 8th June2020.
- Attended Leadership talk With Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design) held on 6th June, 2020 by MHRD's InnovationCell.
- AttendedLeadershiptalkWithDr.NileshNOak,Expert(IndianCivilization&History)heldon 30th May, 2020 by MHRD's InnovationCell.
- Attended Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. India's First Leadership Talk Series Session with Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. by MHRD's InnovationCell
- Attended the India First Leadership Talk webinar with DrPramod Chaudhari, Chairman, Praj Industries Limited broadcasted on 16th May, 2020 by MHRD’s InnovationCell.
- Attended the India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC, broadcasted on 9th May, 2020 by MHRD’s InnovationCell.
- A Five day FDP on “ IPR Awareness and Patent Prosecution” Organized by te Department of InformationTechnology,CMREngineeringCollege,Hyderabadfrom06.05.2020to10.05.2020.
- Successfully Completed Training on "Pre- Incubations & Incubation Management" conducted as part of IIC Innovation Ambassador Training Series Organized by Institution’s Innovation Council of MHRD’s Innovation Cell, AICTE held at MLR Institute of Technology, Hyderabad, Telangana on 6-7 February2020.
- AttendedatwodaysworkshopTEQIP-IIISponsoredTwo-DayworkshopOn“Simulationof wireless networks by NS-3” during 19-20 September-2019 at GRIET, Affiliated to JNTUH, Hyderabad
- Attended a two days workshop GUJCOST- DST Sponsored Two-Day workshop On “Future Wireless Comm. Systems: Theory & Practice On Wincomm Trainer &Sdr Kit” during 22-23 January-2018
- Attended a one day workshop “National Workshop on Popularization of Remote Sensing based MapsandGeospatialInformation”on11thAuguist,2017atIITRAM,Ahmedabad.
- Attended A four day workshop on Short course on Optimization for 5G Cellular Networks, Compressive Sensing and Data Science: With CVX-MATLAB Project" during 5-Oct-2017 to 08- Oct-2017 at Indian Institute of Technology (IIT), Kanpur
- Afivedayworkshoptrainingprogramon“LowPowerSystemonChipDesignusingXilinxFPGA Devices” conducted NIT Warangal in association with IEEE-Hyderabad and Xilinx,2016.
- A two day seminar on the demonstration of USRP platforms conducted by National Instruments and NIT Warangal,2015.
- Certifiedin“CircuitandSystemInsights”coursebyIEEEContinuingEducationUnits,Newyork, 2015.
- Virtual classes on research methodologies conducted by Indian Institute of Technology Bombay, INDIA,2015.
- A five day continuing education program on “Embedded System Design Based on ARM and Microblaze Platforms” conducted by NIT Warangal,2014
- A two day TEQIP-II sponsored workshop on “Mobile Programming and Open Source Software” conducted by NIT Warangal,2013
- A one day workshop on “Rapid Prototyping Systems” conducted by NIT Warangal,2013
- Atwodayworkshopon“ResearchMethodologiesandScholarlyWritingSkills”conductedbyNIT Warangal,2013
- A three day workshop on “Embedded Systems for Automation and Instrumentation” conducted by NIT Warangal,2013

Professional Society Membership:

Name of the Society	Membership Category	ID Number
Institute of Engineers (IEI)	Life Time member	M-1744008
Institute of Scholars (InSc)	Life Time member	20203146
Indian Society For Technical Education (ISTE)	Life Time member	88456
Institute of Doctors, Engineers and Scientists (IDES)	Invited Member	1779

Achievements:

1. Awarded **InSc Young Researcher Award** for the year of 2020-21 by Institute of Scholars (InSc), registered under MSME, Govt. of India.
2. Awarded **Best Teacher** Award for the year of 2020-21 by CMR Engineering college, Hyderabad on the occasion of Teachers Day, 2021.
3. Awarded **Innovative Electronics and Communication Engineer** Award for the year of 2020-21 by CMR Engineering college, Hyderabad on the occasion of Engineers Day, 2021.
4. Awarded **Young Researcher Award** for the year of 2019-20 by CMR Engineering college, Hyderabad.
5. Awarded **Elite NPTEL** certification for successfully completing the course "Introduction to Machine Learning-IIT Kharagpur", October, 2021.
6. Completed "Smart Device and Mobile Emerging Technologies" an online course authorized by University Unesia offered through **Coursera** has successfully completed on07/06/2020.
7. Completed "Cybersecurity and the Internet of Things" an online course authorized by University System of Georgia offered through **Coursera** has successfully completed on 31/05/2020.
8. Awarded Elite NPTEL certification (Silver Medal) for successfully completing the course "Principles Modern, CDMA/MIMO/OFDM WirelessCommunication", 2020.
9. Completed "Wireless Communications for Everybody" an online course authorized by Yonsei University and offered through **Coursera** has successfully completed on01/09/2019.
10. Selected for the position of Postdoctoral Research Scholar in WENS (Wireless and Emerging Network System) lab in School of Electronic Engineering at Kumoh National Institute of Technology, SouthKorea.
11. National scholarship by Ministry of Human Resource Development (MHRD) for M.Tech & PhD in2009-2016

PUBLICATIONS

Patents-3

1. Bathula Siva Kumar Reddy, K Subramanya Chari, A. Srinivasula Reddy "Automatic Accident Avoiding System", Indian Patent published on 7thAugust, 2020.**(Published)**
2. Bathula Siva Kumar Reddy, Dipankar Deb "Method And System For Effective Wireless Communication Using Combined Modulation And Coding Rate Based On Data Using Software Defined Radio", Indian Patent published on 2ndMarch, 2018.**(Published)**
3. Bathula Siva Kumar Reddy, Preet, Soham, Parth, Krupa Shah "Artificial Intelligence Based Voice Control and Life Estimation of Electrical Appliances", Indian Patent published on 6thApril, 2018. **(Published & Currently Under Examination)**

DST Projects - 4

S.No.	Application No.	Title of the Project	Scheme	Status	Funding
1	TPN / 73678	Machine Learning based smart device for the assistance of Alzheimer's Disease patients	Scheme for Young Scientists and Technologists	Under Review	5200000/-
2	182022002558	Integration of Multiple Access Techniques for Next Generation WirelessTechnology using SoftwareDefined Radio	SERB - Core ResearchGrant	Under Review	35,35,000/-
3	1582699088	AICTE Training and Learning (ATAL) FDP at our institute on "Cyber Security	AICTE Training and Learning (ATAL)FDP	Under Review	210000/-

Journal Papers-25

S.No	Authors	Title of the published paper	Journal	ISSN / ISBN No.	Year	Complete Reference of Journal
1	B Siva Kumar Reddy, Kiran and K Jamal	Software Defined Radio based Non-orthogonal multiple access (NOMA) Systems	Wireless Personal Communications-Springer (Science Citation Indexed **SCI-Indexed**),vol. 117, no. 1	2085 – 2103	2021	https://doi.org/10.1007/s11277-021-08260-2
2	B Siva Kumar Reddy	Experimental Validation of Non-Orthogonal Multiple Access (NOMA) Technique using Software Defined Radio	Wireless Personal Communications-Springer (Science Citation Indexed **SCI-Indexed**), vol. 115, no. 3	2085–2103	2020	https://doi.org/10.1007/s11277-020-07867-1
3	B Siva Kumar Reddy and R. Indraja Reddy	FPGA Implementation of Convolution Coding Technique in Industrial Automation using Verilog HDL	Journal of Xidian University (SCOPUS)	1001-2400	2021	https://doi.org/10.37896/jxu15.9/017

4	B Siva Kumar Reddy, Raja and Priyanka	A Novel Compression Framework for Electro Cardiac Signals	Journal of Physics, Vol. 1964. No. 6.		2021	10.1088/1742-6596/1964/6/062038
5	B Siva Kumar Reddy and K Subramanya Chari	Software Defined Radio: USRP N210 with GNU Radio	International Journal of Innovative Technology and Exploring Engineering **(ELSEIVIER-SCOPUS indexed)**	2278-3075	2020	https://www.ijitee.org/download/volume-9-issue-5/
6	B Siva Kumar Reddy	Cyclostationary based Frequency Offset Estimation for Transmitting Different DataInputs	International Journal of Scientific & Technology Research, Vol. 8, Issue11 **(ELSEIVIER-SCOPUS indexed)**	2277-8616	2019	http://www.ijstr.org/paper-references.php?ref=IJSTR-1119-24301
7	B Siva Kumar Reddy and Mandapati Raja	Receiver Operating Characteristics and Total Error Probability of Cognitive Radio	International Journal of Scientific & TechnologyResearch, Vol. 8, Issue11 **(ELSEIVIER-SCOPUS indexed)**	2277-8616	2019	http://www.ijstr.org/paper-references.php?ref=IJSTR
8	B Siva Kumar Reddy and Anuj Goel	Spread Spectrum Sensing Techniques for Transformer Frequency Response Data	International Journal of Innovative Technology and Exploring Engineering, Vol. 8, Issue 12 **(SCOPUS indexed)**	2278-3075	2019	https://www.ijitee.org/download/volume-8-issue-12/
9	B Siva Kumar Reddy and Anuj Goel	Performance analysis of SAW Gas sensors with different number of Electrodes	International Journal of Recent Technology and Engineering, Volume-8 Issue-4 **(SCOPUS indexed)**	2277-3878	2019	https://www.ijrte.org

10	B Siva Kumar Reddyand N.L.Pratap	Software Defined Radio (SDR) for Healthcare Applications: A ProposedApproach	International Journal of Recent Technology and Engineering(TM), Volume-7Issue-6, pp. 1153-1158 **(SCOPUS indexed)**	2277-3878	2019	https://www.ijrte.org/wp-content/uploads/papers/v7i6/F231703761 9.pdf
11	B Siva Kumar Reddy	Experimental Validation of Timing, Frequency And Phase Correction Of Received Signals Using Software Defined Radio Testbed	Wireless Personal Communications- **Springer (Science Citation Indexed SCI- Indexed),** vol. 100, no. 1	2085–2103	2018	https://doi.org/10.1007/s11277-018-5806-2
12	B Siva Kumar Reddy	Orthogonal frequency division multiple access downlink physical layer communication for IEEE 802.16-2009 standard Downlink Physical Layer Communication for IEEE 802.16-2009 Standard	IET Signal Processing **(SCI-Indexed)** vol. 10, no. 3	1751-9683	2016	http://digital-library.theiet.org/content/journals/10.1049/iet-spr.2015.0380
13	B Siva Kumar Reddy	Performance Improvement Techniques for OFDM system using Software Defined Radio	Wireless Personal Communications- **Springer (SCI-Indexed),** vol. 91, no. 3	1065-1083	2016	http://link.springer.com/article/10.1007/s11277-016-3512-5
14	B Siva Kumar Reddy &Dr. B.Lakshmi	Experimental validation of orthogonalfrequencydivision multiplexing with peak-to- average power ratio reduction and out-band distortion control using software definedradio	IET Signal Processing **(Science Citation Indexed (SCI)-Indexed)**	1751-9683	2016	http://digital-library.theiet.org/content/journals/10.1049/iet-spr.2015.0073
15	B Siva Kumar Reddy &Dr. B.Lakshmi	Improvement in the Performance of WiMAX with Channel Equalizers and Space Time Block Coding techniques using Simulink	Wireless Personal Communications- **Springer (SCI-Indexed)**	0929-6212	2015	http://link.springer.com/article/10.1007%2Fs11277-015-2768-5
16	B Siva Kumar Reddy &Dr. B.Lakshmi	Minimizing PAPR and Synchronization Errors in OFDM for WiMAX Using Software Defined Radio	Journal of Circuits, Systems and Computers- **World Scientific (SCI-Indexed)** vol. 24, no. 4	1793-6454	2015	http://www.worldscientific.com/doi/abs/10.1142/S0218126615500607

17	B Siva Kumar Reddy &Dr. B.Lakshmi	Packet data transmission in worldwide interoperability for microwave access with reduced peak to average power ratio and out band distortion using software defined radio	IET Communications **(SCI-Indexed)** vol. 8, no. 9	1751-8628	2015	http://ieeexplore.ieee.org/xp/articleDetails.jsp?arnumber=7102926&punumber%3D4105970
18	B Siva Kumar Reddy &Dr. B.Lakshmi	Adaptive Modulation and Coding with Channel State Information in OFDM for WiMAX	International Journal of Image, Graphics and Signal Processing **(SCOPUS)**	2074-9082	2014	http://www.mecs-press.org/ijigsp
19	B Siva Kumar Reddy &Dr. B.Lakshmi	BER Performance with Adaptive Modulation Coding in MIMO-OFDM for WiMAX using GNU Radio	International Journal of Wireless and Microwave Technology	2076-9539	2014	http://www.mecspress.org/ijwmt/ijwmt-v4-n4/v4n4-2.html
20	B Siva Kumar Reddy &Dr. B.Lakshmi	Channel Estimation & Equalization with Adaptive Modulation and Coding over Multipath Faded Channels for WiMAX	International Journal of Electrical, Robotics, Electronics and Communications Engineering **(International Science Index)**	0975-4814	2014	waset.org/Publication/999972
21	B Siva Kumar Reddy &Dr. B.Lakshmi	BER Analysis of Energy Detection Spectrum Sensing in Cognitive Radio Using GNU Radio (pp. 1423-1430)	International Journal of Electrical, Robotics, Electronics and CommunicationsEngineering **(International Science Index)**	0975-4814	2014	waset.org/Publication/9999657
22	B Siva Kumar Reddy &Dr. B.Lakshmi	Channel Sounding and PAPR Reduction in OFDM for WiMAX Using Software Defined Radio	International Journal of Electrical, Robotics, Electronics and Communications Engineering **(International Science Index)**	0975-4814	2014	waset.org/Publication/9999656
23	B Siva Kumar Reddy &Dr. B.Lakshmi	PAPR Reduction and BER Performance for WiMAX on USRP N210 using GNU Radio	ACEEE-International Journal on Communications	2158-7558	2013	DOI: 01.IJCOM.5.1.1351

24	B Siva Kumar Reddy &Dr. B.Lakshmi	Concatenated Coding in OFDM for WiMAX using USRP N210 and GNU Radio	International Journal on wireless and Mobile Networks	0975-3834	2013	DOI : 10.5121/ijwmn.2013.5604
25	B Siva Kumar Reddy &Dr. B.Lakshmi	Channel Coding and Clipping in OFDM for WiMAX using SDR	ACEEE-International Journal on Recent trends in Engineering and Technology	2158-5563	2013	DOI: 01.IJRTET.9.1.526

Conference Papers-8

S. No	Title of the paper	Details of conference (Name, Place, Date & Year)
1	Performance Of CMA Blind Equalizer For Mobile-WiMAX Over Multipath Fading Channels	International Conference On Telecommunication Technology & Management (ICTTM-2015)- **IIT- Delhi-** APRIL 11-12, 2015
2	Adaptive Modulation and Coding for Mobile-WiMAX Using SDR in GNU Radio	International Conference on Circuits, Systems, Communication and Information Technology Applications, (CSCITA)- 4-5 April 2014, **IEEE Mumbai** **(SCOPUS)**
3	BER Analysis of CVSD Vocoder for WiMAX using GNU Radio	IEEE Region 10 Technical Symposium (TENSYMP)- 14-16 April 2014- **IEEE- Malaysia,** (DOI: 978-1-4799-2027-3/14/$31.00 ©2014 IEEE) **(SCOPUS)**
4	Adaptive Modulation Coding in MIMO-OFDM for WiMAX using GNU Radio	IEEE Region 10 Technical Symposium (TENSYMP)- 14-16 April 2014- **IEEE-** Malaysia (DOI: 978-1-4799-2027-3/14/$31.00 ©2014 IEEE) **(SCOPUS)**
5	Modulation Switching in OFDM for WiMAX through Rayleigh fading channel using GNU Radio	IEEE International Conference on Advanced Electronic systems (ICAES)- September 21-23, 2013, **IEEE-CSIR-BITS Pilani**(DOI:978-1-4799-1441-8/13/$31.00 ©2013 IEEE) **(SCOPUS)**
6	Channel Estimation and Equalization in OFDM Receiver for WiMAX with Rayleigh Distribution	IEEE International Conference on Advanced Electronic systems (ICAES)- September 21-23, 2013, **IEEE-CSIR-BITS Pilani**(DOI:978-1-4799-1441-8/13/$31.00 ©2013 IEEE) **(SCOPUS)**
7	Adaptive Modulation and Coding in COFDM for WiMAX Using LMS Channel Estimator	World Conference on Advances in Communication and Control Systems (CACCS)-April 6-8, 2013

8	PAPR Reduction in OFDM using Channel Coding in GNU Radio	Advances in Information Technology and Mobile Communication, 26-27 April 2013, **Elseiver**

Book Chapters: 5

S. No	Authors	Title of the Chapter.	Book name, Publisher, ISBN & Year
1	UrvishPrajapati, B. Siva Kumar Reddy and AbhishekRawat,	Modeling of Data rate based Peripheral Security System in GNU radio	Integrated Intelligent Computing, Communication and Security, Springer, Vol. 771, pp. 353-361. 2019 (https://doi.org/10.1007/978-981-10-8797-4_37) ISBN: 978-981-10-8797-4
2	B. Siva Kumar Reddy	Experimental Validation of Spectrum Sensing Techniques Using Software-DefinedRadio	Nano electronics, Circuits and Communication Systems, Springer, 2019,pp: 97-103 (https://doi.org/10.1007/978-981-13-0776-8_9) ISBN:978-981-13-0776-8
3	B. Siva Kumar Reddy	Advancement in Wireless Technologies andNetworks	Emerging Wireless Communication and Network Technologies, Springer, pp. 3-11, 2018 (https://doi.org/10.1007/978-981-13-0396-8_1) ISBN: 978-981-13-0396-8
4	B. Siva Kumar Reddy, Dhrumil Modi, Sumit Upadhyay	Performance Evaluation of Various Digital Modulation Techniques using GNURadio	Innovations in Infrastructure, Advances in Intelligent Systems and Computing 757, Springer, pp. 13-20, 2018 (https://doi.org/10.1007/978-981-13-1966-2_2)
5	B. Siva Kumar Reddy & Dr. B. Lakshmi	Adaptive Modulation and Coding with Channel Estimation/Equalization for WiMAX Over Multipath Faded Channels Wireless Communications, Networking and Applications	Wireless Communications, Networking and Applications, Springer,2015, pp:456-469 (DOI: 10.1007/978-81-322-2580- 5_42) **(SCOPUS) ISBN 978-81-322-2579-9**

Textbooks: 4

S. No	Authors	Title of the paper published with page nos.	Publisher, ISBN & Year
1	Bathula Siva Kumar Reddy & Dr. B. Lakshmi	PAPR Reduction Techniques for OFDM Signals	LAP LAMBERT Academic Publishing-Germany, ISBN-978-3-659-78318-0, 2015. Available: https://www.morebooks.de/gb/p_978-3-659-78318-0

2	Bathula Siva Kumar Reddy	USART Implementation Using Verilog with Cypress-II	LAP LAMBERT Academic Publishing-Germany, ISBN- 978-3-659-83144-7, 2016 Available: https://www.morebooks.de/store/gb/book/usart-implementation-using-verilog-with-cypress-ii/isbn/978-3-659-83144-7
3	Bathula Siva Kumar Reddy	Green Communications: Energy Efficient Techniques forWireless Systems-PartI	LAP LAMBERT Academic Publishing-Germany, ISBN- 978-3-659-85342-5, 2016 Available: http://www.amazon.com/Green-Communications-Efficient-Techniques-Wireless/dp/3659853429
4	Bathula Siva Kumar Reddy	Green Communications: Energy Efficient Techniques forWireless Systems-PartII	LAP LAMBERT Academic Publishing-Germany, ISBN-978-3-659-86829-0, 2016 Available: http://www.amazon.in/Part-II-Green-Communications-Efficient-Techniques/dp/3659868299

I declare that the above particulars furnished by me are true to the best of my knowledge

BATHULA SIVA KUMAR REDDY