CURRICULUM VITAE

Dr. BALLA LALITHA
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Permanent Address

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Hanuman classic apartment
Aravindanagar 2nd cross
Ananthapur-515002.
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India

Fields of Research Interest

→ *Distributed Computing*	→ *Cloud Computing*
→ *IoT (Internet of Things)*	→ *Peer to Peer Computing*
→ *Software Defined Networking*	

Educational Degrees

PhD Department of Computer Science and Engineering, JNT University, Anantapur, 2015
Thesis: Efficient Techniques to Reduce Topology Mismatch Problem in Un-Structured Peer-to-Peer Networks

M.Tech Master of Technology (Software Engineering) from JNT University College of Engineering, Anantapur. With **Distinction** in 2005

B.Tech Bachelor of Technology (computer science & Engineering) from SITAMS, affiliated to JNTU, Hyderabad in First Division in 2003

Present Position

Assistant Professor of Computer Science and Engineering department, JNTUA College of Engineering, Anantapur

Professional Experience

- Around 14+ Years of teaching experience that includes training students on various programming languages and various Core Computer science and Engineering platforms.

Positions Held:

❖ Presently working as a Coordinator of Software Development centre, JNTUA, Ananthapuramu

❖ Working as a Incharge of Central Computer Centre (CCC) and Website maintenance In charge from 2019 to till date in JNTUACEA, Ananthapuramu.
❖ Working as a Deputy Warden from 2017 to till date in JNTUA, Anathapuramu
❖ Worked as In-charge HOD of Computer Science and Engineering department, JNTUA College of Engineering, kalikiri.

Member of Editorial Board of Journals

- Editorial board member for the journal of excellence in computer science engineering.

Member of Professional / Technical Committees

1. Served as an NCC Coordinator during 2012-14 for JNTUA College of engineering, Ananthapur.
2. Acted as a Deputy Hostel warden for women's, JNTUA College of engineering, Ananthapur.

List of Publications

Journal Papers

S.N0	Title Of Journal	Name of the Author	Name of the Journal	Volume & Issue	Year of Publication
1	A Dynamic Multi-Label Video Classification based on Recurrent Neural Networks	Dr B.Laitha	International Journal of Grid and Distributed Computing	Vol. 14, No. 1, (2021), pp. 346-355	2021
2	A Lightweight Secure Auditing Scheme For Shared Data In Cloud Storage	Dr B.Laitha	GIS SCIENCE JOURNAL	VOLUME 8, ISSUE 2, 2021	2021
3	Friend Recommendation System Based on Myers Briggs Type Indicator model	Dr B.Laitha	GIS SCIENCE JOURNAL	VOLUME 7, ISSUE 11, November, 2020	2020
4	A Technique for enhancing computer programming learning based on content-based recommendations	Dr B.Laitha	GIS SCIENCE JOURNAL	VOLUME 7, ISSUE 11, November, 2020	2020
5	Priority Based Dynamic Scheduler for Mobile Sensor Networks	Dr B.Laitha	The International journal of analytical and experimental modal analysis	September/2019	2019
6	An Approach for Data Analysis using Random Forest Algorithm	Dr B.Laitha	Adalya Journal	October 2019	2019
7	Data theft protection in cloud storage using Decoy technology	Dr B.Laitha	The International journal of analytical and experimental modal analysis	August/2019	2019

8	Improving The Performance Of Fog Computing By Using Fog Terminal Nodes	Dr B.Laitha	International journal of Scientific Research and Review	September/2019	**2019**
	Authority-of-Two Preferences Supported Algorithm for Fog Computing	Dr B.Laitha	The International journal of analytical and experimental modal analysis	October/2019	**2019**
9	A dynamic heuristic approach to improve the performance of Graph mining	Dr B.Laitha	Adalya Journal	September/2019	**2019**
10	Predictive Analytics using Machine Learning with BigData	Dr B.Laitha	International Association of Scientific Innovation and Research (IASIR)	December 2018-February 2019 Issue 25 Volume 1	2019
11	A deep study on "A Secure and Robust User Authenticated Key Agreement Scheme for Hierarchical Multi-medical Server Environment in TMIS"	Dr B.Laitha	International Journal Of Information And Computing Science	Volume 5, Issue 12, December 2018	2018
12	Recover the Missing Data in IoT by Edge Analytics	Dr B.Laitha	I-Manager's Journal on Software Engineering	Vol.13,Issue 2, october-december 2018,	2018
13	Climate Monitoring System using IoT with Edge Analytics	Dr B.Laitha	Journal of engineering Technologies and Innovative Research	Vol.5,Issue 6, June 2018, ISSN 2349-5162	2018
14	Recovery of Incomplete data in IoT by using Map R edge Architecture	Dr B. Lalitha	Journal of engineering Technologies and Innovative Research	Vol.5 ,Issue 6, June 2018 ,ISSN 2349-5162	2018
15	An Optimizing Technique to reduce risk Factor in Mobile Service Composition	Dr B. Lalitha	International Journal of Research in Advent Technology	Vol.6, No5, May 2018 , E-ISSN : 2321-9637	2018
16	Couch DB – Reliable Repository for Big Data generated by Iot	Dr B. Lalitha	International Journal of Research in Advent Technology	Vol.6, No5, May 2018 , E-ISSN : 2321-9637	2018
17	LIME:Privacy Preserving Technique for Data Mining Systems	DrB.Lalitha	Journal of Emerging Technologies and Innovative Research	Vol.4 ,Issue 8 .August 2017 ,ISSN 23492-5162	2017
18	Enhancing the Security for Clinical document Architecture Generating System using AES algorithm with Artifcial Neutral Network	DrB.Lalitha	International Research Journal of Engineering and Technology	Vol.4 ,Issue 8 .August 2017 ,ISSN 23952-0056,pISSN 23952-0072	2017

19	Dynamic Multi Granularity Service Composition	DrB.Lalitha	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Volume 2 | Issue 4 | July-August 2017	2017
20	Internet Traffic Classification using serial and parallel HTTP Requests	DrB.Lalitha	International Journal of Innovations and Advancements in Computer Science	Vol.6,Issue 8,August 2017 ISSN :23472-8616	2017
21	Service Composition to Enhance the QOS of Web Services	DrB.Lalitha	International Journal of Scientific Research in Computer Science Engineering and Information Technology	Vol.2 ,Issue 4 ,August 2017 ISSN :24562-3307	2017
22	A Frame work to Optimize Cloud Service with Genetic Techniques	DrB.Lalitha	International Journal of Computer and Mathematical Sciences	Vol.6 ,Issue 8 , August 2017 ,ISSN 23472-8527	2017
23	MPTMG:An Efficient Application Offloading Into Cloudlets	DrB.Lalitha	International Journal of Emerging Technologies and Innovative Research	Vol.4,Issue8,August 2017 ISSN :2349-5162	2017
24	An approach to minimize Topology Mismatch Problem in similarity -Aware Heterogeneous P2P Networks	DrB.Lalitha	International Journal of Research in Advent Technology,	Vol.4, No.4, April 2016 E-ISSN: 2321-9637	2016
25	Efficient Techniques to reduce effects of topology mismatch and heterogeneity in unstructured P2P networks	Dr B.Lalitha	International journal of wireless and microwave technologies (IJWMT)	ISSN:2076-9539 DOI:10.5915/IJW MT	2016
26	An enhanced framework to design elastic and reliable Content based publish/subscribe system	DrB.Lalitha	I-manager's Journal on Cloud Computing.	Vol. 2 · No. 4 · August - October 2015	2015
27	Optmizing Service Selection In Combinatorial Auction By Resolving Non-Linear Programming Constraints	DrB.Lalitha	International Journal of Soft Computing and Engineering	Volume 5 & Issue 4 September 2015	2015
28	Dynamic Coalition Pattern For Distributed Coordination Of Multi-Agent Networks i-managers	DrB.Lalitha	Journal of Computer Science	Volume 3 No 2 & Issue June-August 2015	2015
29					

	A Scaling Approach For Effective Detection And Classification Of DOS Attacks	DrB.Lalitha	Journal of Network communications and Emerging Technologies	Volume 2 & Issue 3 July 2015	2015
30	Evaluating The Privacy Of User Profiles In Personalized Info Systems	DrB.Lalitha	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 5 & Issue 6 June 2015	2015
31	Privacy Preserving Access Control To Increment	DrB.Lalitha	I managers Journal of Software Engineering	Volume 9 No 4 & Issue April-June 2015	2015
32	An Approach To Enhance The Performing Of Social Network Integrated P2P File Sharing In DNS	DrB.Lalitha	International Journal of Emerging Technologies in Engineering Research	Volume 3 No 6	2015
33	Optimizing Congestion In Peer to Peer File Sharing Based On Network Coding	DrB.Lalitha	International Journal of Emerging Technologies in Engineering Research	Volume 3 No 6	2015
34	Hybridfault Categorization Approach To Reduce The Testing Cost Of Combinatorial Test Cases	DrB.Lalitha	I managers Journal of Computer Science	Volume 9 No 3 & Issue Jan-March 2015	2015
35	Moderating Redundant Traffic Generated by Topology Mismatch Problem in P2P Networks	DrB.Lalitha	International Journal of Computer Applications (0975-8887)	Vol.82, No.12, pp 20-24, November 2013.	2013
36	Exploiting the Structure of IP Addresses to Regulate the Affects of Topology Mismatch in Unstructured P2P Networks.	DrB.Lalitha	IJARCSSE (2277-128X)	Vol.3, Issue 11, pp 514-519, November 2013.	2013
37	Topology Awareness in Unstructured P2P Networks using Accessible Bandwidth.	Dr.B.Lalitha	International Journal of Computer Applications (0975-8887)	Vol.80, No.4, pp 15-20, October 2013.	2013
38	Evolution of Two-Sided Markets in Game Theoretic Pricing	Dr.B.Lalitha	JICSE	Vol.3(1), Jul -Dec 2013 ISSN 2278 - 0947	2013
39	Mitigation of Topology Mismatch Problem based on Node Network Positioning in Unstructured P2P	DrB.Lalitha	. i-Manager's journal on Computer Science,	Vol.1, No.1, pp 22-26, March-May 2013.	2013

		networks				
40	GPS Based Topology Matching Algorithm For P2P Systems	DrB.Lalitha	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 3, Issue 3, March 2013 ISSN: 2277 128X	2013
41	Security and QOS centric protocols for P2P networks: current state of the art	DrB.Lalitha	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	Volume 2, Issue 3, March 2013 ISSN: 2278 – 1323	2013
42	Mechanism to Provide Incentives in Peer-to-Peer Overlay Networks	DrB.Lalitha	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 2, Issue 8, August 2012 ISSN: 2277 128X	2012
43	Evaluating the Performance and Delay in Unstructured Peer to Peer Networks	DrB.Lalitha	International Journal of Advanced Research in Computer Engineering & Technology	Volume 1, Issue 5, July 2012 ISSN: 2278 – 1323	2012
44	Peer-to-Peer Systems: taxonomy and characteristics,	DrB.Lalitha	IJCST	Vol.3, Issue2, pp 886-896 April-June 2012.	2012
45	False Proof Reputation Management for P2p Networks	DrB.Lalitha	International Journal of Computer Applications (0975 – 8887)	Volume 42– No.8, March 2012	2012
46	Study of Topology Mismatch Problem in Peer-to-Peer networks,	DrB.Lalitha	IISTE, Computer Engineering and Intelligent Systems,	Vol. 3, No.7, pp 145-154, 2012.	2012

List of Conference Papers

- Presented a Paper "A Comprehensive Literature Review of security attacks in IoT Networks" 2nd International Conference on Adaptive computational Intelligence (ICACI - 2020). During 15th-16th December 2020.

- Presented a Paper "Performance Comparison of various Routing Protocols such as AODV, DSR, and OLSR against Black Hole Attack" 5th National Conference on Computer Networks and Information Security (NCCNIS - 2016).

- Participated and Presented a Paper on " An Approach to Enhance the Performance Of Social Network Integrated P2P File Sharing in DTN'S" at the National Conference on Trends in Engineering and Technology held at S.V Colleges, Tirupathi on 13th June ,2015.

- Presented a Paper "Bandwidth Aided Topology Awareness in Unstructured P2P Networks. Global conference on Recent Trends in Electronic Communication Engineering, power and Control ECEPC, Sep 7-8, JNU-New Delhi, pp 803-816, 2013.
- Participated and Presented a Paper " Performance Analysis Of Binary Spray And Wait Routing in DTN's" In the 2^{Nd} One Day National Conference on Computer Science and Intelligent System Organized by Dept Of Computer Science and Engineering On 9th October 2013 held at Annaporna Engineering college Salem.

- Presented a Paper on "A Hierarchal data replication strategy for data grids" International Conference Computer Science and Engineering (ICCSE-2012) ,held at Mysore 30th June 2012.
- Participated and Presented a Paper on"Mechanism to Provide Incentives In Peer- to-Peer Overlay Networks" at the International Conference on Computer Science and Engineering held at Mysore on 30^{Th} June, 2012.
- Participated and Presented a Paper "A CPU Resource discovery solution using cluster computing". In the Fourth International conference on "Science, Engineering and Technology (SET)" Organized by school of Information Technology and Engineering.VIT University, Vellore, Tamil Nadu during May 2-4, 2012.

Keynote Lecture Delivered

- Delivered a GuestLecture on Machine Learning on March 11th 2016 at GMR Institute of Technology.
- Delivered a Guest Lecture on Distributed Computer Architecture and Evolution of Cloud Computing Architecture on 29th January 2016 at Sri Venkateswara College of Engineering, Chittor.
- Delivered a Guest Lecture on Cloud Architecture Design Patterns on 8th April 2016 at Vignan's Institute of Information Technology, Duvvada , Vishakapatnam.
- Delivered a Guest Lecture on Research trends in Distributed Computing on 13th September 2015 at Sri Vidyanikethan College.

Projects Guided

- Guided More than 60 PG students on Projects (Recent Trends in Research) Current Trends of Research.
- Guided More than 25 UG student Projects and more on Android Platform.

Workshop/FDP Organized/Webinars

- Conducted one day webinar on "Big image data processing using deep learning techniques" on 04th December, 2020 Sponsored by TEQIP-III at JNTUA College of Engineering, Anantapur

- Conducted one day webinar on "Are We Educated" on 12th December, 2020 Sponsored by TEQIP-III at JNTUA College of Engineering, Anantapur

- Conducted Three day workshop on "Cyber security and Ethical Hacking" 16th to 18th November, 2020Sponsored by TEQIP-III at JNTUA College of Engineering, Anantapur

- Conducted Three day workshop on "Modern web application development using MEAN Stack" 26th to 28th September, 2019 Sponsored by TEQIP-III at JNTUA College of Engineering, Anantapur.

- Conducted one day Workshop on "Cloud Computing" on JAN, 2017) at JNTUA CEA.

- Conducted FDP on Recent Trends in Computer networks Sponsored by APSCHE at JNTUA College of engineering Ananthapur.

Workshop/FDP Attended

- One week National workshop on "Recent Trends in Graphs: Algorithms, Complexity and Applications" from 8th to 13th April,2019 at NIT,Warangal.

- One week of FDP on "Soft Skills for Professionals"(10th-14th DEC, 2018) at JNTUniversity Ananthapur.

- Participated in a Short term course on "DATA ANALYTICS USING R "at IIT Karaghpur from Nov 20-11-17 to 26-11-17.

- One day Workshop on"21st Century Teaching Strategies" on 16th Sep, 2017.

- 2 weeks of FDP on "Embedded Real Time Systems"(01-10th FEB,2017)

- Participated in a Faculty Development Programme on "Big Data Analytics" held from 20th-22nd Feb-2017

- Participated in Theory of Computation Programme on 18th to 27 th January 2016 Organized by Electronics & ICT academy, CSE National Institute of Technology, Warangal.

- Participated in the Faculty Development Programme on "Entrepreneurship" held on 6th-18th july,2015

- Participated in the Faculty Development Programme on "Agile Methodologies" held on 25th February -2015 at JNTUA College of Engineering Anantapuramu, Andhra Pradesh.

- Participated in Two day Workshop on "IBM DB2 Academic Associate "conducted by IBM Hyderabad at JNTUA College of Engineering Anantapuramu during 19th& 20th December 2014.

- Participated in the Two days Training Programme on "Bharath Operating System Solutions-Minimalistic object oriented Linux(MOOL)" held on 16th&17[Th] October -2014 at JNTUA College of Engineering Anantapuramu, Andhrapradesh.

- Participated in Two day workshop on"Outcome Based Education Approach in Engineering Curriculum" organized by JNTUA college of engineering, Anantapur, during 26[Th]&27[Th] August 2014.

- Participated in the Two days Training Programme on "Bharath Operating System Solutions-Minimalistic object oriented Linux(MOOL)" held on 16th&17[Th] October -2014 at JNTUA College of Engineering Anantapuramu, Andhrapradesh.

- Participated National workshop on Market oriented Cloud computing and the Aneka platform organized by Department of CSE JNTUA college of engineering, Anantapur.
- Participated in one day Workshop on "Technology enhanced learning through NMEICT – Implementation of spoken tutorial "in collaboration with IIT Bombay on 10th July 2014 Anantapuramu.
- Participated in Workshop on "Embedded Systems"organized by Pearson Education and Department of Electronics and Communication Engineering JNTUA College of Engineering Anantapuramu during 5Th june 2014 held at JNTUA College of Engineering Anantapuramu.
- Participated in Embedded Real Time Systems Programme on 1st to 10th Feb-2014 at JNTUACEA, Anantapur .
- Participated in National workshop on "Awareness Campaign on Ethical Hacking" organized by JNTUA college of engineering, Anantapur, on 18th Feb 2012.
- Attended one week on C Programming and data structures Conducted by APSCHE at JNTUniversity Ananthapur
- Attended two day workshop on software testing at TCS Bangalore.
- Participated in the Six day Training Programme on "C& Data Structures" from 3rd to 8th September 2012 held at Department Of Computer Science & Engineering JNTUA College of Engineering Anantapuramu,Organized by A.P State Council of Higher Education.
- Participated in Oreintation Course held on 8th August 2011 to 8th September 2011 UGC – Academic Staff College, JNTUH, Hyderabad.
- Participated one day workshop on Service Oriented Architecture and Cloud Computing conducted under UGC Scheme in collaboration with M/S TATA Consultancy Services Hyderabad on 26th July 2011.
- Participated in Faculty Development Programme on "Concepts in Testing" held at Cognizant Bengaluru, during June 30Th to July 1st 2011.
- Participated in Embedded Real Time Systems Programme on 1st to 10th Feb 2011 at JNTUACEA, Anantapur .
- Participated in Faculty Development Programme on "Free Software-A Research Perspective" organized by Department of CSE JNTUA college of engineering, Anantapur on 12-13 March 2009(Under TEQIP).
- Participated in "Object Oriented and Design Using UML with Fundamentals of Rational Rose"organized by IBM Software Education during 2nd April & 4th April 2007.

Course Attended

- Participate in a refresher course on "Soft Skills for Professional Excellence" held on 30th-19th Nov/Dec-2015 conducted by UGC at JNTUniversity Hyderabad.
- AICTE sponsored short-term course on "Data Analytics using R"(20-26th Nov,2017)

- Participated in Orientation Course held on 8th August 2011 to 8th September 2011 UGC – Academic Staff College, JNTUH, Hyderabad.

Awards Received

1) **"Outstanding women in engineering"** award from VENUS international women Association.

2) **"Bharat Jyoti Award"** from India International Friendship Society

Book's Authored

1. **"Internet of Things, Training programs, Gathering momentum"** Lambert Publications 2018.

Patent Publication (Certificate of Grant) Patent number: 2020101939
1. Title of Invention: "A system for pit hole detection and filling for road based on Artificial Intelligence" dated 16th September 2020.

Membership of Scientific / Engineering Bodies
- Member in IAENG(International Association of Engineers)
- Member in Computer Society of India
- Member in Institution of Engineers
- Member in Indian Society for Technical Education (**ISTE**)

Innovative in Teaching

- Allow for spontaneous interactions. For example, during small group or large group discussions, allow students to discuss freely without offering too much feedback.
- Create time for informal class opportunities; for example, provide time for students to talk and get to know each other. This can be through small group discussion, games, and hands-on activities during class time.
- Learn everyone's names and make sure everyone in the class knows each other's names as well. If possible, arrange chairs in a circle so students can see one another.
- Encourage students to be intrinsically motivated; for example, one professor noted the use of a Facebook page where students could have discussions based on the course topic. Even after the course ended, the students continued to post to the course Facebook page
- Have students facilitate a roundtable discussion
- Talk to other faculty and find out things they have tried and what worked and what did not work

Declaration

I can do the job with great sense of responsibility and always try to make a positive contribution and efforts to prove myself as an asset to the organization.

Place: Anantapur
Date:

(Dr. B. LALITHA)