

## CIRICULAM VITAE

Department of Computer Science

University College for Women (A), Koti, Hyderabad

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1. Name : Dr. D. HEMA LATHA
2. Father's Name : Dr. D. LINGA REDDY
3. Mother's Name : D. RADHA
4. Academic Qualifications : MCA, M.Phil, M.Tech, PGDELT, Ph. D
5. D : Assistant Professor ©
6. Academic Record :

	<b>SUBJECTS STUDIED</b>	<b>Year</b>	<b>COLLEGE/BOARD</b>	<b>Division</b>
X	SSC	1990	SSC	I
XII	M. Bi.P.C	1992	CBSE	I
UG	MPCS	1995	Osmania University	I
PG	MCA, M. Tech	2000, 2012	Osmania University JNTUH	I I
M. Phil/ Pre-Ph. D	Computer Science	2008	Bharathidasan University	I
Ph. D	Computer Science	2018	Rayalaseema University	Awarded

7. Specialization : Software Engineering, Data Communications, Computer Networks, Mobile Communications and Microprocessors
8. Teaching Experience : UG : 21 Years  
PG : 21 Years
9. M. Phil Topic : Recent Trends and Challenges in EAI
10. Ph. D Topic : Measuring Software Reliability and Quality
11. Courses Attended :
  - a). One week Online Faculty Development Programs and Online workshops Attended on Emerging and latest Technologies from 04-05-2020 to 10-11-2021 : **50**
  - b). Online Webinars Attended on Multidisciplinary Subjects from 04-05-2020 to 10-11-2021: **70**

S No.	Program	Duration	Organized by
1	Faculty Development Program on Computational Intelligence, Tools & Applications	6 Days (6-11 Jan 2020)	MJCET in collaboration with CSI and XIT solutions
2	National Workshop on International Business Machines, Statistical Package for Social Sciences	2 days (19 and 20 Dec 2019)	Tara Govt. Degree and PG College, Sanga Reddy, sponsored by ICSSR
3	Faculty Development Program on Data Science Technologies 7 Next Generation Artificial Intelligence	6 Days (3-8 Jan 2020)	MJCET in collaboration with CSI
4	Orientation course on research Methodology	1 week	Academic Staff College, Osmania University

12. Awards for Excellence in Research/Teaching/JRF/CSIR/NET/SET :

**Qualified UGC-NET and AP-SET in June 2012**

13. Administrative Assignments/ Membership in College Committees :

S. No.	Name of the Post Held	Duration and Dates
1	UG coordinator	2008 - 2012
2	Head of the Department	2017- 2019

14. Membership in Professional Board :

**Associate member of Institute of Research Engineers and Doctors,  
Member of International Association of Engineers,  
Life member in IETE, ISOI and CSI.**

15. Membership in Other Bodies :

16. Extension/ Outreach Activities : Provided extension Lectures in various colleges

S No.	Topic	College	Year
1	Software Quality	KMICS, Hyderabad	2018
2	Microprocessors	Nizam College, Hyderabad	2018
3	Asynchronous Sequential Logic Circuits	Nizam College, Hyderabad	2019


17. Publications a) Articles Published

**Conferences, Research Papers (International, National), Books, Articles, Research Projects....**

<b>S. No</b>	<b>TITLE WITH PAGE NO</b>	<b>JOURNALS</b>	<b>ISSN/ISBN/N</b>	<b>YEAR</b>
1	Basics of Data Science PP. 52-67	International Journal of Research	p-ISSN: 2348-6848 e-ISSN: 2348-795X Vol. 8 Issue 10	October 2021
2	Prediction of Malicious Android Applications Using Machine Learning Approaches pp. 430-436	International Journal of Research Publication and Reviews Journal homepage: www.ijrpr.com	ISSN 2582-7421 Vol. 2, no. 10	October 2021
3	An Implementation Process of Acoustic Steganographic Mechanism PP. 481 - 488	International Research Journal of Modernization in Engineering Technology and Science.	Volume 03 Issue 01 Impact Factor 5.354 e-ISSN:2582-5208	January 2021
4	Chapter 1. A Comprehensive Study of Online Teaching Strategies. Page No. 1-8	Book: Recent Trends in Online Teaching and Learning, AkiNik Publications, New Delhi	978-93-90541-77-5	Feb-2021
5	Chapter 20. Virtual Classroom. Page No.206-215	Book: Recent Trends in Online Teaching and Learning, AkiNik Publications, New Delhi	978-93-90541-77-5	Feb-2021
6	Password Substantiation with Negative Password Encryption P. No. : 184 - 190	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	ISSN (Online) 2581-9429 ISSN (Print) 2581-XXXX	November 2020
7	Entrepreneurialism Enhancement in Farming and Allied Sectors Chapter – 15, P. No. : 177-196	Entrepreneurship development Book	Published by : KBC-Nano Publication Pvt. Ltd.	October 2020

8	Skin Lesion Detection Process Using Convolutional Neural Networks  P. No. : 1-15	International Journal of Computer Engineering and Applications	Volume- XIV, Issue - Special Issue, June 2020, ISSN 2321-3469 NCRTCEA- 2020	June 2020
9	Forensics Service Security For Cloud Computing Systems  P. No. : 1 - 11	International Journal of Computer Engineering and Applications	Volume- XIV, Issue - Special Issue, June 2020, ISSN 2321-3469 NCRTCEA- 2020	June 2020
10	Image Re-Ranking on Topic Diversity  P. No. : 5- 17	International Research Journal of Science Engineering and Technology	ISSN 2454-3195 (online), www.rjset.com	Volume 9 Issue 2 May [Year 2019]
11	Security Routing and Communication Architecture for Mobile AD-Hoc Networks  <i>pp. 13-28</i>	International Journal of Computer Engineering and Applications,	www.ijcea.com ISSN 2321-3469	Volume XIII, Issue II, February 19
12	Analyzing and Predicting Stock Market Using clustering and Regression techniques  P: 71 - 78	Two day National Conference on New vistas in Services Marketing with focus on financial business and community services (NCSM'19)	978-93-88808-05-7	February 2019
13	An Optimum Routing Algorithm for Ad Hoc Networks  P 216 – 225	International Journal of Computer & Mathematical Sciences IJCMS	ISSN 2347 – 8527	Volume 7, Issue 2, February 2018
14	Predicting Software Reliability and Quality using Ant Colony Optimization Technique With Travelling Salesman Problem for Software Process P. No : 174 - 178	International Journal of Latest Trends in Engineering and Technology,	Vol. (10)Issue(3), DOI: <a href="http://dx.doi.org/10.21172/1.103.30">http://dx.doi.org/10.21172/1.103.30</a> , e-ISSN:2278-621X	2018
15	Predicting Software Reliability Using Ant Colony Optimization Technique with Travelling Salesman Problem for Software	International Journal on Recent and Innovation Trends in Computing and Communication	ISSN: 2321-8169, Volume: 6 Issue: 4	2018

	Process – A Literature Survey, P. No .: 106 - 112			
16	A Secure Accredited Duplication Mechanism using Hybrid Cloud Approach, P : 48-53	Journal of Innovation in computer Science and Engineering	ISSN 2278-0947	27 June 2017
17	A Quick Development Model with Security for Change Oriented Software Process	International Journal of Advanced Research in Computer Science and Software Engineering, Research Paper, ,	ISSN: 2277 128X <a href="http://www.ijarcsse.com">www.ijarcsse.com</a>	Volume 6, Issue 9, September 2016
18	A Quick Development Model for Change Oriented Software Process PP 74-78	IOSR Journal of Computer Engineering (IOSR-JCE)	e-ISSN: 2278-0661,p-ISSN: 2278-8727, <a href="http://www.iosrjournals.org">www.iosrjournals.org</a> DOI: 10.9790/0661-1803017478	Volume 18, Issue 3, Ver. I (May-Jun. 2016),
19	A Novel Approach for Congestion Notification in Ethernet Networks P. No : 302-307.	Published in the proceedings of ICWN 2015, worldcomp'15, July 27-30, 2015, Las Vegas, Nevada, USA, <a href="http://www.worldacademyofscience.org">www.worldacademyofscience.org</a> ,		July 27-30, 2015
20	A Particle Swarm Optimization and Fuzzy Based Algorithm for Solving Classical Travelling Sales Person Problem P : 113-119	Published in the proceedings of CSC 2015, worldcomp'15, July 27-30, 2015, Las Vegas, Nevada, USA, <a href="http://www.worldacademyofscience.org">www.worldacademyofscience.org</a>		July 27-30, 2015
21	Cost based Integrated MAC and Routing Algorithms for Wireless Sensor Networks p 89-96.	Proceedings of One day National Conference on Emerging areas of Research in Renewable Energy Resources and Electronics in India (NCEREE-2015), Mahatma Gandhi university, Nalgonda, on		21 February 2015
22	Conflicts Avoidance in Optical Burst Switching p 52-59	Proceedings of One day National Conference on Emerging areas of Research in Renewable Energy Resources and Electronics in India (NCEREE-2015), Mahatma Gandhi university, Nalgonda		21 February 2015
23	A Study on Association of E-commerce and E-marketing Model	Published in the proceedings of One day National Seminar on E-commerce-Impact on Economic		27 February

	p 20-24	Development on at RBVRRIT, Hyderabad		2015
24	Balancing Qualitative and Quantitative strategies for Research in Digital Humanities	Proceedings of Two day National Seminar on DIGITAL HUMANITIES: CORE TECHNOLOGIES, University College for Women, Osmania University, Hyderabad		DECEMBER 11-12, 2014
25	Recognition of Emotional Gestures using Computational Evaluation methods	Proceedings of Two day National Seminar on DIGITAL HUMANITIES: CORE TECHNOLOGIES, University College for Women, Osmania University, Hyderabad		December 11-12, 2014
26	Supporting Access Control for Corporate Websites using DMZ Networks in Configuring Firewalls p: 200-210	Published in proceedings of Two day national level conference on “Interdisciplinary ,Research on recent trends in Information Technology and Computer Engineering” (NCRTIT – 2015) Pune.		January 2015
27	Discovery of Disobedience of Routing in MANET’S using 2ACK with Multiple Routing Configurations	International Journal of Research & Development in Technology and Management Science	ISBN - 1-63102-449-3 <a href="http://journal.rtmonline.in">http://journal.rtmonline.in</a> <a href="http://www.ijrdtm.com">http://www.ijrdtm.com</a>	Volume- 2 , Issue 5, DEC’ 2014
28	A Study on 5th Generation Mobile Technology  - Future Network Service	ISSN:0975-9646, (IJCSIT) International Journal of Computer Science and Information Technologies	8309-8313	Vol.5 (6) 2014
29	Implementation of Security Mechanism for Bluetooth Communication P : 154-160	Journal of Multidisciplinary Engineering Science and Technology (JMEST)	Volume 1, Issue 4 ISSN: 3159-0040	November 2014
30	Re-Encryption Scheme to Provide Secure Data Forwarding in Cloud Storage System	Journal of Engineering Sciences & Research Technology (IJESRT),	Volume 3, Issue 11	November 2014

	P :148-152			
31	Implementation of TCP Congestion Control mechanism for Wireless Networks using TCP Reserved Field and Signal to Noise Ratio (SNR), P : 14-28	International Journal of computer (IJC) (2014)	Volume 15, No 1	July 2014
32	A Survey on Comparison of Optical Packet Switching and Optical Burst Switching Technologies	International Journal of Research and Development in Technology and Management Science	Volume 21, Issue 1, PAPER Id: IJRDTM – 05275 ISBN – 978-1-63102-445-0	MARCH 2014
33	Assessment of Medium Access Control Protocols for Wireless Sensor Networks P : 100-108	Proceedings of 3 <sup>rd</sup> National Conference on Computer Networks & Information Security (NCCNIS-2014, 4-5 March 2014.		March 2014
34	Assessing Reliability of Software Using Optimization Technique based on Ant Colony System P : 38-43	Proceedings of 3 <sup>rd</sup> National Conference on Computer Networks & Information Security (NCCNIS-2014), 4-5 March 2014.		March 2014
35	Security Support Embedded with Combined Conventional and Quantum Cryptography Services in Optical Burst Switching Network, p : 36-43	International Journal of Innovative Research in Science, Engineering and Technology, An ISO 3297: 2007 Certified Organization	Volume 3, Special Issue 2	February 2014
36	A comparative study of Optical Packet Switching and Optical Burst Switching P : 28-35	International Journal of Innovative Research in Science, Engineering and Technology, An ISO 3297: 2007 Certified Organization	Volume 3, Special Issue 2	February 2014
37	A Study on Quality of Service for Computer Networks P : 51-55	IOSR Journal of Computer Engineering(IOSR-JCE)	E-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 16, Issue 1, Ver. V	JAN'2014
38	Recognition of Facial Expression Using Facial	International Journal of Engineering and Computer Science (IJECS)	Volume 3 Issue1 ISSN: 2319-7242	January, 2014

	Movement Features P : 3794 - 3804			
39	A Comparative study Intrusion Detection Systems in Mobile Ad- Hoc Networks  P : 1-11	International Journal of Research & Development in Technology and Management Science	ISBN No. 978-1- 63041-994-3,  Volume 20 Issue 08 2013	2013
40	Semantic Similarity Measurement between Words using Lexical Patterns  P : 485-490	Proceedings - International Conference on Innovation of Computer Science & Engineering (ICICSE-2013), September 20 <sup>th</sup> &21 <sup>st</sup> , 2013, in collaboration with Computer Society of India (CSI).	ISBN: 978-81- 7800-313-9	Sept'2013

#### Papers Accepted:

- i). Artificial Intelligence Applications in Agriculture Domain in book Artificial Intelligence Applications

#### 18. Conferences/Seminars Attended

S No	Name of the Conference/Seminar	Organized by	Sponsored by	Year
1	National Conference on “Driving Sustainable Development Through Higher Education in the wake of Covid- 19 Pandemic”	RBVRR women’s College, Hyderabad	MCRHRDIT	– June 10th, 2020
2	National E- Conference on Recent Trends Computer Engineering & Applications	Jagamba College of Engineering & Technology, Yavatmal, Maharashtra		May 24 2020
3	2nd National Conference of Multidisciplinary Research Online (NCMR 2020) at JIS University.	JIS University		July 2020
4	Interdisciplinary International E- Conference On **“PANDEMIC TO PANDEMONIUM: POLITICAL, ECONOMIC AND SOCIAL REPERCUSSIONS OF	Pandit Jawaharlal Nehru Mahavidyalaya, Aurangabad, Department of Political Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad &		30th & 31st August,2020



	COVID-19***	Maharashtra Political Science and Public Administration Conference		
5	Two day National Conference on New vistas in Services Marketing with focus on financial business and community services (NCSM'19)	Dept of Commerce, University College for Women, OU		February 2019
6	International Conference on - Recent Innovations in Engineering and Technology (ICRIEAT-2016)	Aurora's Scientific Technological and Research Academy, Hyderabad.		22 and 23 December, 2016
7	One day National Conference on - Revolutionising Business Practices in Digital Era (NCRBD)	St. Joesph's UG and PG College, Hyderabad	Institute of Electronics Telecommunications Engineers (IETE)	29th Nov 2016
8	One day National Conference on - "Resurgent India Through Fostering Innovation & Entrepreneurship"	RBVRRIT ,Hyderabad		4th March, 2016,
9	Three days national conference on - "Big Data Analytics and Cloud Computing"	Dept of Computer and Engineering, Osmania University.		29 - 31 December, 2015
10	International Conference - on Innovation of Computer Science & Engineering (ICICSE- 2015)	Guru Naanak Institute of Engineering and Technology, hyderabad	Computer Society of India (CSI).	September, 2015
11	One day National Conference on - Emerging areas of Research in Renewable Energy Resources and Electronics in India (NCEREE-2015).	Dept of Physics, Mahathma Gandhi University		21 February 2015
12	One day National Seminar on - E-commerce-Impact on Economic Development	RBVRRIT, Hyderabad		27 February 2015

13	Two-day National level Conference on - “Interdisciplinary Research on recent trends in Information Technology and Computer Engineering” (NCRTIT-2015),	D.Y. Patil College of Engineering, Akurdi, Pune.		22 and 23 January, 2015,
14	National Seminar on - DIGITAL HUMANITIES: CORE TECHNOLOGIES	Dept of Computer Science, University College for Women, Koti, Hyderabad		December 11-12, 2014
15	National Seminar - on Physics and Quality of life	Dept of Physics and Electronics, OUCW, Koti, Hyderabad		March 2014
16	National Conference on Computer Networks & Information Security (NCCNIS-2014)	Vasavi College of Engineering, Hyderabad.	AICTE	March 2014
17	International Conference on Innovation of Computer Science & Engineering (ICICSE-2013),	Guru Naanak Institute of Engineering and Technology, Hyderabad	Computer Society of India (CSI)	September 20 <sup>th</sup> & 21 <sup>st</sup> , 2013

#### 19. Conferences / Seminars Organized

S.No.	Title	Duration	Year
1	Hands on Python	1 Day	February 2014
2	National Seminar on - DIGITAL HUMANITIES: CORE TECHNOLOGIES	2 Days	December 2014
3	Work shop on developing Digital Libraries using DSpace 5.2	2 Days (5-6 Feb 2016)	February 2016