



## CURRICULUM VITAE

<b>Name:</b>	Dr. S. V. Manjaragi	
<b>Designation:</b>	Assistant Professor	
<b>Department:</b>	Computer Science and Engineering	
<b>Specialization &amp; Research Interests:</b>	Computer Science and Engineering & Wireless Networks	
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### 2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
Ph.D	Perusing	Visvesvaraya Technological University , Belagavi
M.Tech	2011	Visvesvaraya Technological University , Belagavi
B.E	2002	Visvesvaraya Technological University , Belagavi

### 3. ANY OTHER QUALIFICATION:

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**4. PROFESSIONAL EXPERIENCE:**

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidassoshi	Lecturer	From 01/09/2004 to 31/08/2009
Hirasugar Institute of Technology, Nidassoshi	Sr. Lectrure	01/09/2009 to 31/12/2016
Hirasugar Institute of Technology, Nidassoshi	Asst. Professor	01/01/2017 till date

**5. ADMINISTRATIVE ASSIGNMENTS:**

Position Held	Duration	Nature of Work
IT, Incharge	29/11/2023 to till date	Providing IT services and solutions, maintenance of IT infrastructure including Computer Systems, Internet, Campus network, WiFi, LMS software.
Head of the Department	31/10/2019 To 31/08/2023	Monitoring and ensuring smooth conduction of academic activities in the department.
Department NBA Coordinator	20/11/2017 to 30/06/2021 & 01/09/2023 to Till date	Coordination of all the NBA related activities, NBA SAR and documents Preparation of the department.
Head of the Department	18/02/2015 to 16/11/2017	Monitoring and ensuring smooth conduction of academic activities in the department.

**6. COURSES TAUGHT:**

- Cloud Computing & Applications
- Graph Theory and Combinatory
- Design and Analysis of Algorithms and Data structures
- Microprocessors
- Advanced Computer architecture
- Web Programming
- Data Structures
- Discrete Mathematical Structures
- Cryptography and Network Security
- System Software
- Operating Systems
- Object Oriented Programming with C++
- UNIX shell Programming
- UNIX System Programming
- Linux kernels
- Computer Networks
- Wireless Networks
- Advanced JAVA & J2EE
- Object Oriented Modeling and Design
- Python Application Programming
- Object Oriented Programming with C++
- Object Oriented Programming with Java
- C programming for Problem Solving
- Compiler Design
- Automata Theory & Compilers
- Introduction to Python Programming

**7. RESEARCH SUPERVISION:****A. Ph.D:****i. Awarded :****ii. Submitted :****iii. Ongoing :****B: M.Tech.****i. Awarded :****ii. Submitted :****iii. Ongoing :**

**C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):**

- i. Awarded** : 26
- ii. Submitted** : --
- iii. Ongoing** : 01

**8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:**

Signed MOU with EMC<sup>2</sup>, Bangalore and Techfortuna, Bangalore

Arranged campus interview drive by Theatro Labs, Bengaluru.

**9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:**

LMISTE

**10. PUBLICATIONS:****A. BOOKS/MONOGRAPHS:**

- 1. Authored: 02**
- 2. Edited:**

**B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:**

- i. "Human Computer Interaction Using Hand Gesture", American International Journal of Research in Science, Technology, Engineering & Mathematics (AIJRSTEM)", Issue 3, Volume 1, pp. 78-81, June-August, 2013.
- ii. "Comparative Study of Link Utilization, Queue, Delay And Loss Characteristics of Active Queue management Schemes in Wireless Networks" International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 4, April – 2013
- iii. "Speech Based Access of Agricultural Commodity Prices and Weather Information", Journal of Emerging Technologies and Innovative Research, volume 5, issue 8, August-2018.
- iv. "Survey of Security Models in Heterogeneous Wireless Networks", International Journal of Computer Networks and Wireless Communications, volume 8, No. 5, Sep-Oct-2018.
- v. "An Intelligent Voice-Based e-Market Place for Visually Impaired People", A Journal of Composition Theory, Volume 12, Issue 6, June 2019.
- vi. "Early Flood Detection and Avoidance System", PROTEUS JOURNAL, Volume 11, Issue 10, 2020.

- vii. "Deaf Sign Interpreter Service", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 7, Issue 4, July-August 2021.
- viii. "User Credibility-Based Trust Model for 5G Wireless Networks", Intelligent Communication Technologies and Virtual Mobile Networks, Volume 8, Issue 2, April 2022.
- ix. "Fast user authentication in 5G heterogeneous networks using RLAC-FNN and blockchain technology for handoff delay reduction", Wireless Networks (2023) Springer, Netherlands.
- x. "An Efficient Handover Authentication Mechanism Using Deep Learning in SDN-Based 5G HetNets", International Journal of Intelligent Engineering and Systems (IJIES), Japan, Volume 16, Issue 6, 2023.
- xi. "Smart Nose: Detection of Food Decay using Machine Learning", International Journal of Advanced Technology in Engineering and Science, Volume 11, Issue 12, 2023.

### C. PAPERS IN CONFERENCES PROCEEDINGS:

- i. "Survey of 4G Network Models", Fifth International conference on Advances in Computer Engineering-ACE 2014, on Dec 27, 2014.
- ii. "Security Threats and Security Issues in 4G Wireless Network", International Conference on Recent Innovations in Engineering, on OCT 8<sup>th</sup> & 9<sup>th</sup>, 2016
- iii. "Speech based access of Agricultural commodity prices and weather information", International conference on recent innovations in Science, Engineering & Technology, on 18<sup>th</sup> to 19<sup>th</sup> May 2018
- iv. "Early flood detection and avoidance system", Recent trends in Computer Science and Technology, 17<sup>th</sup> & 18<sup>th</sup> June, 2020.
- v. "Smart Nose: Detection of Food Decay using Machine Learning", International Conference on Recent Trends In Engineering and Technology (ICRTET 2023), 8<sup>th</sup> & 9<sup>th</sup> Dec. 2023.

### 11. Patents/Copyrights/IPR (If Any)

Nil

### 12. INVITED TALKS:

- Delivered a talk on Wireless network simulation using NS3 tool for M.Tech students at BEC, Bagalkot.
- Delivered a talk on carrier guidance for PUC students.
- Delivered a talk on carrier guidance and scope of Computer Science & Engineering for First year students in the Induction program.
- Delivered a talk of cloud computing for Poly technique, Students.

### 13. RESEARCH PROJECTS (COMPLETED/ONGOING):

Nil

### 14. PARTICIPATION & PRESENTATIONS IN SEMINARS /SYMPOSIA/ WORKSHOPS/ CONFERENCES:

Sl. No.	Topic	Period	Date	Venue
1	CGI Programming	3 Days	15 <sup>th</sup> to 17 <sup>th</sup> Nov, 2006	PDACE, Gulburga.
2	High Impact Teaching Skills	5 Days	10 <sup>th</sup> to 15 <sup>th</sup> May, 2009	Mission10X programme at BEC, Bagalkot.
3	Network simulation tools	1 Day	17 <sup>th</sup> April, 2010	GIT, Belgaum
4	Applications of mathematics in Engineering	3 Days	30 <sup>th</sup> & 31 <sup>st</sup> Aug, 2010	HIT, Nidasoshi.
5	Embedded Linux Multimedia & Android Application	2 Days	23 <sup>rd</sup> & 24 <sup>th</sup> March, 2013	HIT, Nidasoshi
6	Advanced Network Communication and Simulation	3 Days	22 <sup>nd</sup> & 24 <sup>th</sup> NOV, 2013	BEC, Bagalkot
7	Wired and Wireless Network Simulation	3 Days	3 <sup>rd</sup> to 5 <sup>th</sup> July, 2014	NITK, Surathkal
8	Green Technologies for sustainable Development	2 Days	24 <sup>th</sup> & 25 <sup>th</sup> Feb. 2017	BEC, Bagalkot
9	Cryptanalysis: tools & Techniques	5 Days	4 <sup>th</sup> to 8 <sup>th</sup> Dec. 2018	NITK, Surathkal
10	Computer Networks an Cyber Security	5 Days	16 <sup>th</sup> -20 <sup>th</sup> July 2018	SJCE, Mysore
11	Internet of Things and Its Applications	6 Days	28 <sup>th</sup> Jan to 2 <sup>nd</sup> Feb.2019	HIT, Nidasoshi
12	Advanced Communication and Networking Technologies	5 Days	8 <sup>th</sup> to 12 <sup>th</sup> July 2019	IIIT, Dharawad
13	Machine Learning and Data Analytics	4 Days	8 <sup>th</sup> to 11 <sup>th</sup> Jan. 2020	HIT, Nidasoshi.
14	Emerging technologies in IT Industry	4 Days	28 to 30, May 2020	Jain College of Engineering, Belagavi
15	Deep learning tools and Techniques	6 Days	2 <sup>nd</sup> to 7 <sup>th</sup> Nov. 2020	KLECET, Belagavi
16	Exploring real world applications of block chain technology with machine learning models	7 Days	22-28, April 2021	KLN College of Engineering, Pottapalaym, Tamil nadu

17	How to exploit secure web applications	5 Days	26-30, July 2021	NCU North CAP University, Gurugaon, Hariyana
18	Software Engineering and testing methodologies	4 Days	16 <sup>th</sup> to 19 <sup>th</sup> March 2022	HIT, Nidasoshi
19.	Attended the Microsoft India & SAP India led Faculty Development Program on "Artificial Intelligence" under TechSaksham Program	3 Days	23 <sup>rd</sup> to 25 <sup>th</sup> February 2023	GMIT, Davanagere.

## 15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- Worked as a Session chair at "International conference on Recent Innovations in Science, Engineering & Technology (ICRISET-2018) held on 18<sup>th</sup> & 19<sup>th</sup> May, 2018 at Hirasugar Institute of Technology, Nidasoshi.
- Got Appreciation Award for guiding a project by IMPRESS IT 2013, Bangalore ITE.biz
- Worked as a Jury member in a Project Exhibition "NINAD-2016" at S.J.PN. Trust's Polytechnique, Nidasoshi on 5<sup>th</sup> April 2016.
- Worked as a Jury member in DB Maniaa & Hackathon Event (PRAXIS-2K17) at KLECET, Chikodi on 17<sup>th</sup> Nov. 2018.
- A project entitled "Virtual Trial Room" was sponsored by KSCST, Bangalore with sponsorship amount of 3000/- carried out by Mr. Ajay Abdulpur & team under my guidance during SSP-38<sup>th</sup> series, 2014-15.
- A project entitled "Emotion Music Player" was sponsored by KSCST, Bangalore with sponsorship amount of 3000/- carried out by Miss. Ashwini Taradale & team under my guidance during SSP-39<sup>th</sup> series, 2015-16.
- A project entitled "Deaf Sign Interpreter Service" was sponsored by KSCST, Bangalore with sponsorship amount of 5000/- carried out by Miss. Revati Patil & team under my guidance during SSP-44<sup>th</sup> series, 2020-21.
- A project entitled "Know When: An Innovative Method For Real-Time Tracking And Monitoring Of Public Transportation Using Geofence And Iot" was sponsored by KSCST, Bangalore with sponsorship amount of 5000/- carried out by Mr. Srajan R. Pujari & team under my guidance during SSP-45<sup>th</sup> series, 2021-22.
- A project entitled "Drowsiness Detection of driver using Machine Learning" was sponsored by VTU, Belagavi with sponsorship amount of 5000/- carried out by Mr. Kartik Thakkannavar & team under my guidance.
- Worked as Department NBA Coordinator.
- Worked as a coordinator for NBA Criteria 1(Department) and Criteria 10 (Institute)

**16. ANY OTHER SIGNIFICANT INFORMATION:**

- Designed a Faculty Course Assessment Report (FCAR) template in MS-Excel.
- Involved in the preparation of Annual Self Appraisal Criteria and format for appraisal and guidelines for evaluation.
- Organized 10+ Workshops/Seminars/FDP/STTP/Conferences etc
- Organized Student Internet World-2010 program for school students, organized by District Administration and Department of IT/BT, Govt. of Karnataka, from 28-30 Oct. 2010.

**(Prof. S. V. Manjaragi)**