

Resume

1. **NAME:** Dr. SHUBHA RAO V
2. **QUALIFICATION:** Ph.D
3. **EDUCATIONAL DETAILS:**

Sl.No.	Course	School/College	Year of passing	Class obtained	% of marks
1.	S.S.L.C.	K.S.E.E.B.	1992	First	78
2.	P.U.C.	P.U.Board	1994	First	75.5
3	B.E.(CS&E)	Kuvempu University S.J.M.I.T(Chitradurga)	1998	First with DN	80
4.	Mtech(CE)	V.T.U. S.J.C.E.(Mysore)	2002	First with DN	78%
5.	Ph.D	V.T.U.	2019		

4.AWARDS: Got **THIRD RANK** ,V.T.U.in Mtech(Computer Engineering)

5.National Level Examination: Gate-2000 75.2 percentile.

6. Technical Knowledge:

1. **Languages Known:** Basic Fortran,Pascal,C,Lisp,
Oracle 7.1,Developer 2000,C++,Java,C#.net.
2. **Operating System:** Dos, Windows 95 and Window 3.1,Unix,Linux

5. Projects Done in B.E.:

“Personnel Information System”
In oracle 7.1 and Developer 2000.
Environment: windows 3.1
Our project is aimed to provide solutions to the
Activities of a Personnel Department of an
Organization

6. Mini projects Done in MTech:

- **Applications of Data Structures using C++.**
- **Applications of Graphs.**
- **Entropy Coding-Huffman Coding.**
- **Design of Fuzzy Control system.**

7. Project work in Mtech:

Project work under taken in L&T Infotech,Mysore.

“Development of Protocol stack for transmitting MPEG4 streams”.

The MPEG4 specifications have provided substantial progress in many areas of multimedia technology.MPEG4 focuses on media coding. The innovative aspects of MPEG4 are the ability to code an audiovisual scene and the ability to abstract from the delivery technology.

The Project focuses on the Systems of MPEG4 standard.

The input is the compressed audiovisual scene.

The audiovisual scene consists of 2 objects audio and video.

At the sending terminal to this compressed audio visual scene synchronization information is supplemented and passed to a delivery layer which multiplexes it into one or more coded binary streams that are transmitted. At the receiving end those streams are demultiplexed and decompressed.

The project focuses on the supplementing synchronization information to the compressed scene and on the packetization.

To implement this suitable

- **Data structures are to be designed for qos parameters**
- **Timestamps are to be given.**
- **A protocol for Delivering MPEG4 streams is to be chosen of this scene.**

8.EXPERIENCE:

1. Worked in Vidya Vardhaka College of Engineering,Mysore as Lecturer.

Achievement: During my working period, I acquired lot of experience On teaching.and I acquired good knowledge of some Subjects which will be mentioned below. And I also Learnt to present myself as well as the subject which Was given to me.

Subjects handled: Computer Concepts and C programming.
Digital Electronics
Design and Analysis of Algorithms
Computer systems Design and Architecture.

Period: For 1 year 6 months(May 1999 to Sep 2000).

2. Worked in SJCE,Mysore as part time lecture.r

Achievement: Acquired a lot of experience about handling DBMS lab.

Period: For 2 semesters from Nov 2000 while I was doing MTech

3.Worked in JSSATE,Bangalore as lecturer

Achievements: Achieved through knowledge of subjects which I handled And I am associated with administration works like test coordination ,projects coordination of 6th sem and 8th sem students.

Guided many student batches in their project work.
Prepared lab manual for Data strucrues and Algorithms lab.

Subjects Handled: Data Structures and Data structures lab
Compiler Design
File Structures and file structures lab
Analysis And Design of Algorithms and Algorithms lab
Computer Systems Design and Architecture.

Period: 3 years from 16-9-2002 to November 2005.

4. Presently working in BMSCE, Bangalore as Assistant professor

Period : 14 years from 8 Nov 2005 to till date.

9. Publication details:

10. Workshop attended :

1. Research Methodologies and Latex, Ghousia College of Engineering, 27-29 July 2013.
2. Algorithm Design, 25 Sept 2013, BMSCE.
3. Implementation Issues of IPv4 and IPv6, by Cisco , 23-29 Sept 2013.
4. RAD certification work shop, IBM Academic Initiative, 28 Oct-1 Nov, 2013, BMSCE.
5. Mobile App. Devp. BMSCE, 1 Aug 2014.
6. Computer Networks and Network Simulation/Emulation using NS3, Amrita School of Engineering, Bangalore, 2-3 Aug 2014.
7. PhD Colloquium, 12-13 June, IACC 2015, BMSCE.
8. Cloud Computing: Open Stack implementation for setting up private Cloud, CDAC, Bangalore, 23-25 June 2016.
9. IBM-BlueMix for IOT and Security, BNMIT, 11-16 July, 2016.
10. TEQIP sponsored one week workshop, Virtualization and Cloud Security, BMSCE, 26, 28, 29 Jan, 4-5 Feb 2017.

11. List of Publications

Journals:

1. Wireless sensor networks and issues –A survey” in CiiT International Journal of Networking and communication Engineering, vol4, No 11, August 2012.
2. “A study of QoS aware MAC protocol for wireless sensor networks”, International Journal of Engineering Technology and Advanced Engineering(ISSN 2250-2459, ISO 9001:2008 certified Journal, volume 4, issue 2, February 2014). Impact factor 1.932
3. ”Xbee based Automated Secured DoorLock Control System” in International Journal of Combined Research & Development(IJCRD) volume 4 issue 6 on June 2015.

4. "Optimal Resource Reservation Strategy for Constrained Networks using SDN Approach for IoT Applications" in International Journal of Control Theory and Applications (SCOPUS Indexed), volume 9 issue 22.
5. "SDN based approach for Reliable Multimedia Data Transmission in Constrained Networks for IoT Applications." In Multimedia Tools and Applications, Springer (communicated).
6. "SDN-Based Resource Reservation Protocol for IoT applications in Constrained Networks", in Cluster computing Science Citation Index Expanded, SCOPUS, Springer. (accepted in the first review and yet to publish).
7. "A Novel Packet Classification Model using Machine Learning for Constrained Networks in IOT Applications." In International Journal of Computer Applications in Technology, Inderscience (communicated).
8. "An SDN based strategy for Reliable Data Transmission in Mobile Wireless Sensor Networks." In International Journal of Information Technology(communicated).

Conferences

1. "Priority Based Optimal Resource Reservation Mechanism in Constrained Networks for IOT Applications" in IEEE international Conference on Wireless Communications, Signal Processing and Networking (WiSPNET -2016) held at Electronics & Communication Engineering Department, Sri Sivasubramaniya Nadar College of Engineering, Chennai-603110, India, from March 23 to 25, 2016,
2. "Energy Efficient Resource Reservation Mechanisms for constrained networks." 2nd International IEEE conference on "Applied and Theoretical computing and communication technology" held at SJBIT, Bangalore, from 21st-23rd July 2016.
3. "SDN Based Energy Efficient Mechanism for Constrained Networks" 8th International Conference on Advances in Computing & Communications,

ICACC-2018, 13-15September 2018, Cochin, India, entitled Procedia Computer Science published by Elsevier.