

# Dr. V. UMESH

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Jnanabharathi, Bangalore - 560 056.

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## OBJECTIVES:

- ✓ I want to be a part of an organization which values merits, skills and abilities, respects hard work and which can utilize my qualification and abilities for the mutual growth.
- ✓ I'm looking for a challenging career in an organization where my knowledge can be shared and that will provide me an opportunity to apply my skills to participate and contribute in the Department of Computer Applications for the advancement of the organization growth.

## EDUCATIONAL QUALIFICATIONS:

- ❖ **Ph.D. (Doctor of philosophy in Computer Science)** from Bharathiar University, Coimbatore, Tamil Nadu in **March, 2020** with registration number **Ph.D-CB-JUL2014-0003** under the guidance of Dr. B. G. Prasanthi, St Joseph's Autonomous College, Lalbagh Road, Bangalore. The title of Ph.D. is **“Resource Management in Cloud Data Centers for Server Consolidation through Efficient Virtual Machine Migration”**.
- ❖ **M.Phil. (Master of Philosophy in Computer Science)** from Periyar University, Salem, Tamil Nadu in **June, 2008** with 63% of marks.
- ❖ **MCA (Master of Computer Applications)** from Madurai Kamaraj University, Madurai, Tamil Nadu in **April, 2001** with 71.1% of marks.
- ❖ **BSc (mathematics, physics, computer science)** from Sri Krishnadevaraya University, Anantapur, Andhra Pradesh in **April, 1998** with 59.5% of marks.
- ❖ **10+2** from Board of Intermediate Education, Andhra Pradesh in **March 1995** with 58% of marks.
- ❖ **10<sup>th</sup> standard** from Board of School Secondary Certificate, Andhra Pradesh in **March 1992** with 66.6% of marks.

## PROFESSIONAL MEMBERSHIPS AND AWARDS:

- 1) IAENG (International Association of Engineers) Member.
- 2) IAAC (International Association of Academic plus Corporate) Member.
- 3) SASS (Scholars Academic and Scientific Society) Member.
- 4) IACSIT (International Association of Computer science and Information Technology) Member

## ROLES AND RESPONSIBILITIES:

- As a team leader, focus and guide others in accomplishing work objectives.
- Identify opportunities and act immediately to build strategic relationships between departments and organizations to help achieve organization goals.
- Provide timely guidance and feedback to help others strengthen specific knowledge areas needed to accomplish a task.

## **BOOKS WRITTEN:**

### **1) “Resource Management in Cloud Data Centers”**

**AUTHOR:** Dr. V. Umesh

**ISBN NUMBER:** 978-620-4-71477-6

**PUBLISHER:** Lambert Academic Publishing (International Book Publishing Company).

### **2) “E -COMMERCE” for II SEM PG PROGRAMME OPEN ELECTIVE (ELMIT-02)**

**AUTHOR:** Dr.V.UMESH

**PUBLISHER:** KSOU MYSORE REGISTRAR(Administration).

## **RESEARCH PAPERS AND PUBLICATIONS:**

- 2) International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN 2278 - 6856, Volume - 2, Issue - 2, March-April 2013, pp 489 - 491.  
“Mobility Management Approaches for Mobile IP Networks: Performance Comparison and Use Recommendations”
  - 1) Dr. B. G. Prasanthi, Professor, Department of MCA, SRN Adarsh College, Bangalore
  - 2) V. Umesh, Assistant Professor, Department of Computer Science, Padmashree College, Bangalore
  - 3) Dr. T. Bhaskar Reddy, Professor, department of Computer Science, S.K. University, Anantapur
- 3) International Journal of Computational Intelligence Research (IJCIR), UGC Approved List SI No - 16568, PRINT ISSN 0973-1873, Online ISSN 0974 - 1259, Volume - 13, Number - 10, 2017, pp 2461 - 2470.  
“An Analysis of Congestion Control Algorithms and Structured Wireless Network”
  - 1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 4) International Journal of Computational Intelligence Research (IJCIR), UGC Approved List SI No - 16568, PRINT ISSN 0973-1873, Online ISSN 0974 - 1259, Volume - 13, Number - 10, 2017, pp 2471 - 2478.  
“Optimal Performance of Multicasting in Mobile AD HOC Network in Synchronization of Distributed Systems”
  - 1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 5) International Journal of Pure and Applied Mathematics (IJPAM), Scopus Indexed Journal, PRINT ISSN 1311 - 8080, ONLINE ISSN 1314 – 3395, Volume - 117, Number - 22, 2017, pp 331 - 334.  
“Quartile algorithm for resource management and virtual machine placement in cloud data centers”.
  - 1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
  - 2) Dr. B. G. Prasanthi, Professor, AIMIT, Chamarajpet, Bangalore
- 6) International Journal of Pure and Applied Mathematics (IJPAM), Scopus Indexed Journal, PRINT ISSN 1311 - 8080, ONLINE ISSN 1314 – 3395, Volume - 117, Number - 22, 2017, pp 335 - 339.  
“Flower Pollination Algorithm for Resource Management in Cloud Data Center”
  - 1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
  - 2) Dr. B. G. Prasanthi, Professor, AIMIT, Chamarajpet, Bangalore
- 7) Advances in Computational Sciences and Technology (ACST), UGC Approved List SI No - 1279, PRINT ISSN 0973 - 6107, ONLINE ISSN 0974 - 4738, Volume - 10, Number - 11, 2017, pp 3211 - 3217.  
“Content Based Indian Language Document Image Recovery using Genetic Algorithm”
  - 1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 8) Advances in Computational Sciences and Technology (ACST), UGC Approved List SI No - 1279,

PRINT ISSN 0973 - 6107, ONLINE ISSN 0974 - 4738, Volume - 10, Number - 11, 2017, pp 3219 - 3226.

“Enhanced Network Security Algorithm with Advanced Key Generation for RSA and Hashing”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

9) Advances in Computational Sciences and Technology (ACST), UGC Approved List SI No - 1279, PRINT ISSN 0973 - 6107, ONLINE ISSN 0974 - 4738, Volume - 10, Number - 11, 2017, pp 3227 - 3231.

“A Study on Congestion Control Algorithms in Congested Sensor Networks”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

10) International Journal of Applied Engineering Research (IJAER), UGC Approved List SI No -136, PRINT ISSN 0973 - 4562, ONLINE ISSN 0973 - 9769, Volume - 13, Number – 11, 2018, pp 8954 - 8958.

“Load balancing algorithm for resource management in cloud data center”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

2) Dr. B. G. Prasanthi, Professor, AIMIT, Chamarajpet, Bangalore

11) International Journal of Computational Intelligence Research (IJCIR), UGC Approved List SI No - 16568, PRINT ISSN 0973-1873, Online ISSN 0974 - 1259, Volume - 14, Number - 12, 2018, pp 1069 - 1077.

“Classification of Radars and Working of Ground Penetration Radar”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

12) International Journal of Computational Intelligence Research (IJCIR), UGC Approved List SI No - 16568, PRINT ISSN 0973-1873, Online ISSN 0974 - 1259, Volume - 14, Number - 12, 2018, pp 1079 - 1085.

“Network Security for Emerging Application using Disruption Tolerant Sensor Network”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

13) International Journal of Computational Intelligence Research (IJCIR), UGC Approved List SI No - 16568, PRINT ISSN 0973-1873, Online ISSN 0974 - 1259, Volume - 14, Number - 12, 2018, pp 1087 - 1094.

“Data Cleaning using Context Dependent and Independent Attribute Correction”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

14) Advances in Computational Sciences and Technology (ACST), UGC Approved List SI No - 1279, PRINT ISSN 0973 - 6107, ONLINE ISSN 0974 - 4738, Volume - 11, Number - 12, 2018, pp 1065 - 1072.

“Design of a Broker Policy for Resource Management in Cloud Data Centers”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu

15) Advances in Computational Sciences and Technology (ACST), UGC Approved List SI No - 1279, PRINT ISSN 0973 - 6107, ONLINE ISSN 0974 - 4738, Volume - 11, Number - 12, 2018, pp 1073 - 1078.

“Mail Server, Cloud Server, Cloud Zoro Application using P2P File Sharing”

1) V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu.

15) International Journal of Advances in Engineering Research (IJAER) 2021, Vol. No. 22, Issue No. VI, December e-ISSN: 2231-5152, p-ISSN: 2454-1796

“AN OVERVIEW OF CLOUD COMPUTING”

1)Dr. V. UMESH Assistant Professor, Information Technology Department, Mysore, India

16)GIS Science Journal ISSN 1869-9391 volume-09 Issue-12, 2022 pp 908-912.

“Introduction to SQL Injection Attacks”

1) Dr. V. UMESH Assistant Professor Information Technology Department. KSOU, Mysore, India

## **WORKSHOPS, WEBINARS, SEMINARS, FDPS ATTENDED:**

- 1) Seven Day National Workshop on “Advanced Molecular Techniques in Biosciences” held at PES Institute of Technology, Bangalore from 24/06/2013 to 30/06/2013.
- 2) Workshop on “Linux Environment system” held at Reva Institute of Science and Management, Bangalore on 14/09/2013.
- 3) Two Day Workshop on “Android Application Development” held at AIMIT, Bangalore from 26/09/2014 to 27/09/2014.
- 4) Session on “Cloud Computing” held at AIMIT, Bangalore on 16/12/2014.
- 5) Two Day Symposium on “Cloud Based Website Hosting” held at AIMIT, Bangalore from 12/03/2016 to 13/02/2016.
- 6) Add On course on “Advanced Excel” held at AIMIT, Bangalore on 23/04/2016.
- 7) Workshop on “Cloud and Cognitive Computing” held at AIMIT, Bangalore on 19/11/2016.
- 8) FDP on “Theory of Computation and Cryptography and Network Security” held at Presidency College, Bangalore on 11/01/2017.
- 9) FDP on “International Financial Reporting Standards” held at GTIMSR, Bangalore on 09/02/2016.
- 10) FDP on “Relevance and Implementation of SAP” held at GTIMSR, Bangalore on 07/04/2016.
- 11) FDP on “Contemporary Challenges in Teaching” held at East West college of Management, Bangalore on 24/01/2018.
- 12) State Level Conference on “Job Opportunities in Central and State Government Services for SC/ST, OBC/Minorities and General Candidates” held at GTIMSR, Bangalore on 25/04/2018.
- 13) FDP on “Big Data Analytics and Sales Force Technologies” held at GTIMSR, Bangalore on 11/03/2017.
- 16) Three Day FDP on “Applications of Java with ADA and ARM Processor” held at Sir MVIT, Bangalore from 23/01/2017 to 25/01/2017.
- 17) Webinar on “An Overview: Softwares and Tools for Research” held at Presidency College, Bangalore on 06/07/2020.
- 18) Webinar on “Cyber Security and Mobile Security” held at Ganpat University, Gujarat on 08/07/2020.
- 19) Webinar on “Emerging Technologies in IT” held at RBANM’s FGC, Bangalore on 13/07/2020.
- 20) Five Day FDP on “Research Trends and Challenges in Computer Science” held at VVCE, Mysore from 13/07/2020 to 17/07/2020.
- 21) Webinar on “Gender Sensitization” held at Dayanand Sagar College, Bangalore on 18/07/2020.
- 22) Webinar on “Design and Analysis of Algorithms” held at Nitte Meenakshi Institute of Technology, Bangalore on 20/07/2020.

- 23) Webinar on “COVID 19 – Fear or Challenge” held at VVCE, Mysore on 20/07/2020.
- 24) Webinar on “Role of Network Virtualization in the Future Internet” held at VVCE, Mysore on 20/07/2020.
- 25) Webinar on “Network Engineering” held at RR Institute of Technology, Bangalore on 20/07/2020.
- 26) Webinar on “Cloud Security” held at VVCE, Mysore on 21/07/2020.
- 27) Webinar on “Impact of IoT in a Changing Social Environment” held at VVCE, Mysore on 21/07/2020.
- 28) Webinar on “Effective Skills for Effective 21<sup>st</sup> Century Engineers and Scientists” held at VVCE, Mysore on 22/07/2020.
- 29) Webinar on “Sleep Inducing with Brain State Analysis” held at VVCE, Mysore on 22/07/2020.
- 30) Webinar on “Artificial Intelligence for Health Care” held at VVCE, Mysore on 23/07/2020.
- 31) Seminar on “Wireless Communication and Networking” held at RR Institute of Technology, Bangalore on 24/07/2020.
- 32) Webinar on “Improving Security in the IoT through Bio-inspired Approaches” held at VVCE, Mysore on 24/07/2020.
- 33) Seminar on “Telecom Network Synchronization” held at RR Institute of Technology, Bangalore on 25/07/2020.
- 34) Webinar on “Kubernetes” held at Nitte Meenakshi Institute of Technology, Bangalore on 25/07/2020.
- 35) Webinar on “Insights on Artificial Intelligence and its Applications” held at VVCE, Mysore on 06/08/2020.
- 36) Webinar on “Data Science” held at SJBIT, Bangalore on 07/08/2020.
- 37) Webinar on “Work-Life Balance” held at AMC Engineering College, Bangalore on 08/08/2020.
- 38) Five Day FDP on “Machine Learning” held at VVCE, Mysore from 10/08/2020 to 14/08/2020.
- 39) Five Day Webinar Series on “Research and Innovation” held at VVCE, Mysore from 17/08/2020 to 21/08/2020.
- 40) One day seminar on “NEP-2020-Changed Scenario of Teacher Education” held at KSOU MYSORE on 12/11/2021.
- 41) Two days seminar on “Design and development of Self Learning Material for Open and Distance Learning.” held at KSOU MYSORE on 15/11/2021 and 16/11/2021.
- 42) Three day 14<sup>th</sup> Annual Conference “Compute 2021” held at dept. Of CS ACM University of Delhi on 18/11/21 to 20/11/21.
- 43) Webinar on “Introduction to Artificial Intelligence, Machine Learning and Applications” held at KSOU MYSORE on 21/03/2022.
- 44) Webinar on “Cloud Computing and Computer Graphics” held at KSOU MYSORE on 26/03/2022.

- 45) Two-day international conference on “Prajakavi Vemana” held at KSOU MYSORE on 07/04/2022 and 08/04/2022.
- 46) Attended Lecture series on Cognitive Biometrics and research dimensions in cyber security conducted by CIQA KSOU on 11/05/22 11.00am.
- 47) Three day 14<sup>th</sup> Annual Karnataka Science Conference “Science for Sustainable Development” held at KSOU MYSORE on 08/09/2022 to 10/09/2022.
- 48) Participated in National level quiz online on “World Ozone Day” held at Anjuman arts,science,commerce college& PG studies Dharwad Karnataka on 15/09/22 to 16/09/22.
- 49) Attended One day workshop on E Resources Awareness conducted by CIQA and Library on 10/01/23 at Kaveri Hall KSOU Mysore.
- 50) Attended One day FDP on Financial statement Analysis conducted by Commerce dept KSOU on 25/01/23 at Kaveri Hall KSOU Mysore.
- 51) Attended One day Panel Discussion on Future Careers for Distant learners conducted by CIQA and CII Mysore Zone on 03/02/23 at Nala Auditorium KSOU Mysore.

### **CONFERENCES ATTENDED AND PAPERS PRESENTED:**

- 1) National Conference on “Emerging Research Trends in Technology of Modern Computing, Applications and Networking” (TECHMAN – 13) held at Acharya Institute of Technology, Bangalore from 27/12/2013 to 28/12/2013.  
**PAPER TITLE:** “Application for File Transfer using an Unreliable Transport, UDP”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 2) International Conference on “Innovative Practices in Business and Information Technology” held at AIMIT, Bangalore from 15/12/2014 to 16/12/2014.  
**PAPER TITLE:** “Mail Server, Cloud Server, Cloud Zoro Application, using P2P File Sharing”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 3) Two Day Conference on “Skill Development for Make in India” held at VTU, Bangalore from 28/01/2015 to 29/01/2015.
- 4) International Conference on “Science and Technology for National Development - SMAC: An Emerging Tool - 2016” held at AIMIT, Bangalore from 18/11/2016 to 19/11/2016.  
**PAPER TITLE:** “Content Based Kannada Document Image Retrieval Using Genetic Algorithm”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 5) International Conference on “Science and Technology for National Development - SMAC: An Emerging Tool – 2016” held at AIMIT, Bangalore from 18/11/2016 to 19/11/2016.  
**PAPER TITLE:** “Data Cleaning using Context Dependent and Independent Attribute Correction”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 6) International Conference on “Internet of Things and Challenges” held at Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu from 14/12/2017 to 15/12/2017.  
**PAPER TITLE:** “Quartile Algorithm for Resource Management and Virtual Machine Placement in Cloud Data Centers”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu.

- 7) International Conference on “Internet of Things and Challenges” held at Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu from 14/12/2017 to 15/12/2017.  
**PAPER TITLE:** “Flower Pollination Algorithm for Resource Management in Cloud Data Centers”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 8) National conference on “Digital Revolution and New India” held at AIMIT, Bangalore on 15/12/2017.  
**PAPER TITLE:** “Network Security for Emerging Application using Disruption Tolerant Sensor Network (DTSN)”  
**AUTHORS:** V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu
- 9) National Conference on “Evolving Opportunities and Strategies in the New Era” held at Bapu Degree College, Bangalore on 26/04/2019.  
Chair Person of the conference: V. Umesh, Research Scholar, Bharathiar University, Coimbatore, Tamil Nadu.

## **TEACHING EXPERIENCE:**

- ❖ Served as Assistant Professor and Head of Department of Computer Applications, taken care of LIC inspections and administrative work at Padmashree Institute of Management and Science, Bangalore from **August 2001 - June 2012 (Eleven Years)**.
- ❖ Served as good administrator at Padmashree Institute of Management and Science.
- ❖ Served as evaluator and reviewer at Bangalore University exams.
- ❖ Presently serving as Assistant Professor and Head of Department of Computer Applications at Oxbridge college of Science and Commerce, Bangalore from **July 2016 - till date**.
- ❖ Serving as Assistant Professor in the Dept. Of Information Technology KSOU Mysore from October 2021 to till date.
- ❖ Guided for final semester students’ projects on e-governance and ICT.
- ❖ Conducted seminars and workshops on e-governance and ICT for degree and MBA students.
- ❖ Member NAAC-criteria3 (Research innovation and extension activities) Attended meetings and provided relevant documents to Dr.Pavithra madam KSOU Economics Dept.
- ❖ Member in M.Sc. Data Science new course introduced at KSOU Mysore.

## **SUBJECTS HANDLED:**

C Programming, C++, Data structures using C, Java, Unix, System Analysis and Design, RDBMS, Software Engineering, Simulation and Modeling, Data Communication Networks, Computer Graphics, Computer Oriented Numerical Methods, Linux operating System, Discrete Mathematical Structures, System Programming, Computer Organization, Web Technologies, Computer Networks, Operations Research, Digital Image Processing, Data Warehousing & Data Mining, Cryptography and Network Security, System Programming, Theory of Computation, Web Programming. E-Commerce, Multimedia and animation. E-governance and ICT.

## **RESEARCH INTERESTS:**

- ❖ Testing
- ❖ Software Engineering
- ❖ Computer Networks
- ❖ Cloud Computing
- ❖ Cyber security and Data Science
- ❖ Data mining

❖ Image processing

## **TECHNICAL SKILLS:**

<b>Operating System</b>	: Dos, Windows 95/NT, Linux
<b>Languages</b>	: C, C++, Python, Java
<b>Database Technologies</b>	: ORACLE 9i, PL/SQL
<b>RDBMS</b>	: SQL Anywhere, SQL Server 6.5
<b>Others</b>	: MS - Office

## **PERSONAL DETAILS:**

Date of Birth	: 4 <sup>th</sup> June, 1977
Languages	: Kannada, English, Hindi, Telugu
Hobbies	: Music, Gardening
Email	: umeshpims@gmail.com
Contact Number	: + 91 - 9480079972
Reference	: Dr. B. G. Prasanthi Mobile Number: 9901735735 College: St. Joseph's Autonomous College #36, Lalbagh road, Bangalore.

**(V. UMESH)**