

# VIJAYA R. KUMBHAR

H 633/2/6, Santosh Nagar, Near Santosh Mangal  
Karyalay, Opp. Nagu Barne School, Behind 16 No. Bus Stop  
Road, Thergaon, Pune 41103.



**Mobile No- 9762225384**

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*veejeya.kumbhar@gmail.com*

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## CAREER OBJECTIVE

To be versatile in teaching with dynamism having the aim of creating thirst of knowledge in students.

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## QUALIFICATION

<b>Ph. D.</b>	in	2013 (Registered)	in University of Pune
<b>NET</b>	in	2006.	
<b>MCS</b>	with	<b>First class</b> (61.28 %)	in 2002.
<b>BCS</b>	with	<b>First class</b> (63.33 %)	in 2000.
<b>PGDBM</b>	with	<b>First class</b> (69 %)	in 2011.
<b>MBS</b>	with	<b>First class</b> (69 %)	in 2012.

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## PERMANENT APPROVAL & PG RECOGNITION

- Received **Permanent approval** from Savitribai Phule Pune University for the post of **Lecturer** in B.Sc.Comp Sci w.e.f 26.8.06.
- Received **Post Graduate Recognition** from 23/2/2010 for 5 years from Savitribai Phule Pune University
- Received **Post Graduate Recognition** from 23/2/2015 (Permanent) Savitribai Phule Pune University.

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## MEMBERSHIP WITH PROFESSIONAL BODIES

### ISTE

Life Membership with id: LM 82672

### INAAR

Life Membership with ID: INAAR / 0392

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## AS RESOURCE PERSON

- In **Shinagad College** for Design and Algorithms Analysis as **Guest Lecturer**.
- In **IBMR College** for UNIX Internals as **Guest Lecturer**.
- In **Modern College** for Intercollegiate Competitions as **Judge for C Prog**.

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## ONLINE CERTIFICATION COURSES COMPLETED

- Research Methodology from NPTEL in Nov. 2017
- Cloud Computing from NPTEL in Nov. 2017

## TEXT BOOKS WRITTEN

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- “C Programming” for BCA-Semester II (SPPU), Success Publication in January 2010.
- “Data Structures” for SYBCA-Semester I (SPPU), Success Publication in June 2008.
- “Data Structures” for SYBSc-Semester I (SPPU), Success Publication in June 2008.
- “Design and Analysis of Algorithms” for M.Sc. Comp. Sci. Semester I (SPPU), Success Publication in June 2009.

## AWARDS

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- Received Best Paper Presentation Award for the paper entitled “**TCP and SCTP Bandwidth Measurement Of Wi-Fi Network In Different Versions Of Android Smartphones**” in Conference held in Modern College of Arts, Commerce & Science, Pune in 2017.
- Received Best Paper Presentation Award for the paper entitled “**TCP Bandwidth Measurement Of Wi-Fi Network In Different Versions Of Android Smartphones**” in Conference held in Indira College of Commerce & Science in 2016.
- Received Best Paper Presentation Award for the paper entitled “**Internet Censoring**” in Indira College of Commerce & Science in 2006.
- Received “**Swayamsiddha**” Award in 2008 by Lokmanya group, Pune.

## RESEARCH PAPERS PRESENTED & PUBLISHED

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### Only Published

- In online Journal entitled “**Impact of poor usability of various ATM : A Study of ATM users in PCMC area**” in International Journal of Computer Engineering and Technology (IJCET) with ISSN number **0976-6367**, Volume 5, Issue 4, April 2014, pp 24-31 with Impact Factor 8.5328.

### Presented & Published

- Dr. Janardan P., Jyoti S., Vijaya K., “**TCP and SCTP Bandwidth Measurement of Wi-Fi Network in Different Versions of Android Smartphones**” and published in International Journal, “Advance & Innovative Research”, Vol.4 Issue-4, bearing ISSN No.2394-7780, Impact Factor 3.17, Dec.17.
- Jyoti S., Vijaya K., “**SCTP Bandwidth Measurement of Wi-Fi Network in Different Versions of Android Smartphones**” and published in International Journal, “Bio Nano Frontier”, Vol.10 Issue-2, bearing Print ISSN No.0974-0678, Online ISSN No. 2320-9593, NAAS Rating 4.17, Impact Factor 4.856, Dec.17.
- Dr. Janardan P., Vijaya K., “**Research Issues And Challenges In Wi Max: An Integrated Approach**” and published in International Journal, “Bio Nano Frontier”, Vol.9 Issue-3, bearing Print ISSN No.0974-0678, Online ISSN No. 2320-9593, NAAS Rating 3.22, Impact Factor 4.856, Dec.16.

- Jyoti S.,Vijaya K., “**TCP Bandwidth Measurement of Wi-Fi Network in Different Versions of Android Smartphones**” and published in International Journal, “Bio Nano Frontier”, Vol.9 Issue-3, baring Print ISSN No.0974-0678, Online ISSN No. 2320-9593, NAAS Rating 3.22, Impact Factor 4.856, Dec.16.
- Dr. Janardan P., Jyoti S.,Vijaya K. “**UDP Bandwidth Measurement for performance measurement of Wi-Fi Network in Android Smartphones**”, Genius International Journal, Vol.II, baring Print ISSN No.2279-0489,Impact Factor 3.2504, Feb.17.
- Jyoti S.,Vijaya K., “**Study of Security Issues in Public Cloud and Comparative analysis of different algorithms in Public Cloud Security**” bearing the ISSN number **2229-5429** and published in International Journal of Information Systems, Vol. IV Issue II Jan-May 2014.
- Dr. Janardan P., Vijaya K. “**Study of Security Issues in Public Cloud and Comparative analysis of different algorithms in Public Cloud Security**” bearing the ISSN number **2229-5429** and published in International Journal of Information Systems, Vol. IV Issue II Jan-May 2014.
- Vijaya K., Dr. Ajay Kumar “**Study of Software-as-a-Service and its issues & challenges in Cloud Environment**” to RTCSACM-3, national conference organized by Indira College of Commerce & Science, Pune bearing the ISBN number **978-93-5202-449-0**.
- Vijaya K. Janardan P, Ashwini S. “**Employees perceptions towards software and technology used in biometric fingerprint devices used in select colleges in Pune**” and published in International Journal of Advances in Management, Technology & engineering Sciences bearing the ISSN number **2249-7455** on 27<sup>th</sup> July 2012.
- Vijaya K., Sarita B. “ **Signature Analysis using Computer Aided Graphology**” on 17<sup>th</sup> Feb 2010.
- Ashwini S.,Vijaya K., “ **E-learning for School**” on 8<sup>th</sup> Feb 2010.

## **UNIVERSITY LEVEL ACTIVITIES**

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### **Paper Setting**

- for Subject Data Structures for March 2012.
- for Subject Advance Operating Systems for April 2014
- for Subject Advance Operating Systems for April 2015.

### **Central Assessment Program ( CAP ) Attended**

- 10 Programs of University of Pune for B.Sc.Comp.Sci. at Fergusson College
- 8 Programs of University of Pune for M.Sc.Comp.Sci. at SPPU,Pune .

### **Workshop Participation**

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- On ‘HTML 5 and Cloud Computing at MIT College,Pune
- On “Smart Advancement In Research and Technologies” at ATSS College,Pune
- On ‘Python’ at Sinhagad College, Vadgaon(Bk)
- On “Digital India: Opportunities for Innovation” at Sinhagad College, Vadgaon(Bk)
- On ‘Cloud Computing using Google App Engine’ at Sinhagad College,Vadgaon(Bk).
- On “Cloud Computing” in Indira College of Commerce and & Science,Pune.
- On “WOWZAPP & Windows 8 App Development” in Indira College of Commerce
  - and & Science,Pune.
- On ‘LATEX ’ at Kaveri Collge, Pune.
- On ‘How to write and publish research papers in computational science ’ at
  - Abeda Inamdar College,Pune

- On 'Innovation in Teaching ' at Sinhagad College,Vadgaon(Bk).
- On 'Syllabus restructuring' of MCA. at New Arts,Comm and Sci College,A'Nagar.
- On 'Syllabus restructuring' of M.Sc.Comp.Sci. at F.C.College,Pune.
- On 'Syllabus restructuring' of B.Sc.Comp.Sci. at University of Pune.
- On 'Syllabus restructuring' of B.Sc.CS & M.Sc. CS, at Garware College.
- On Practical Slips Preparation of B.Sc. at Modern College, Ganeshkhind.
- On Linux Installation & Network troubleshooting in D.Y.Patil College,Pune.

### ***Seminars Attended in other Colleges***

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- On Advancement in Academic Research at Bharati Vidyapeeth, Pune.
- On Embedded Systems in B.R.Gholap, Pune.

## **Refresher/Orientation Programme**

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- From Savitribai Phule Pune University in Nov-Dec 2013 ( 10<sup>th</sup> Nov to 1<sup>st</sup> Dec. 2013 )
- From Savitribai Phule Pune University in Nov'2008 ( 3<sup>rd</sup> to 30<sup>th</sup> Nov )

## **EDUCATION**

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### **National Eligibility Test ( NET )**

From UGC in 2006.

### **Master's in Business Studies ( MBS )**

First Class ( 69 % ) from University of Pune in 2012.

### **Post Graduate Diploma in Business Management ( PGDBM )**

First Class ( 69 % ) from University of Pune in 2011.

### **Master's in Computer Science ( MCS )**

First Class ( 61.28 % ) from University of Pune in 2002.

### **Bachelor's in Computer Science ( BCS )**

First Class ( 63.66 % ) from University of Pune in 2000

### **Higher Secondary Education ( HSC )**

First Class ( 62.83 % ) from Maharashtra Board in 1997

### **Secondary School Education ( SSC )**

Distinction ( 81.23 % ) from Maharashtra Board in 1995

## **TRAINING COURSES**

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### **Linux Kernel Programming**

From I<sup>2</sup>IT, Pune in April 2014

### **IAAS**

From I<sup>2</sup>IT, Pune in December 2013.

### **Cloud Computing**

From Mindscripts Training Center, Pune in March 2013.

### **Software Quality Testing**

Distinction ( A Grade ) from SQTL, Pune organized by Indira Instt., Pune in 2005

### **IBM -AIX Server Administration**

From IBM organized by Indira Instt., Pune in 2007.

### **IBM -Rational Rose**

From Indira Instt., Pune in 2006.

## **TECHNICAL KNOWLEDGE**

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### **Simulators Used**

NS-2, Opnet, CloudAnalyst, iperf

### **Platforms worked**

MS-DOS, MS-Windows, Red Hat/Fedora Linux

### **Languages Known**

C, C++, VB, VC++, Java

### **Packages used**

MS - Office, Oracle .

### **Front End Tools**

HTML, Visual Basic 6.0, Visual Studio 2005

### **Web Technologies Known**

HTML, JavaScript , VBScript

### **Mercury Tools**

Manual Testing - Test Director 7.1 Automated Testing - WinRunner 7.0

## **WORK EXPERIENCE**

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**Total Teaching Experience: 15 years**

**Indira College of Commerce & Science, Pune**

**Dec'04 - Present**

**Lecturer**

**Role**

Subject Teaching to M.Sc., B.Sc., M.C.A. students, NAAC File Preparation  
Project guidance to B.Sc. M.C.A. and M.Sc. students.

**Subjects Taught**

C, C++, Graph Theory, Win32 SDK, Data Structures , Operating System, Compiler Construction, Software Engg. , System Programming, Theoretical Computer Science, Design and Analysis of algorithms, Unix Internals, Computer Fundamentals and introduction to networking, Advance Operating System

**Institute of Management & Technology, Pune**

**Aug'03 - Dec'04**

**Lecturer**

**Role:**

Subject Teaching to B.E. Computer, MCM students.

**Subjects Taught**

Management Information System, Software Engg. ,C++, Software Project Management, Computer Networks, Game Programming

**A.T. College, Bhor, Pune**

**Jul'02 - April'03**

**Lecturer**

**Role**

Subject Teaching to B.Sc. Computer Science students.

**Subjects Taught**

Compiler Construction, Software Engg. , Theoretical Computer Science, Computer Fundamentals, Data Communication & Networking.

## **ACADEMIC PROJECTS**

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**Field Collection System**

As part of M.C.S. Sem IV IT Project in VB 6.0 – Access

**Mailing System for LAN**

As part of M.C.S. Sem III Networking Project in Java2 – Access

**Image Processing**

As part of M.C.S. Sem III COM/CORBA Project in VB 6.0 - COM

**Course Management System**

As part of M.C.S. Sem II Java Project in Java2 – Access.

**Text Editor**

As part of M.C.S. Sem II Linux Project in Linux – C.

**8 Queens Game & Quiz**

As part of M.C.S. Sem I SDK Project in VC.

**Data Definition Language**

As part of M.C.S. Sem I Database Project in C++.

**Inventory Management Information System**

As part of T.Y.B.C.S. Lab II & Lab III Project in VB6.0 – Access

## **CONCEPTS EXPERTISE**

Operating Systems, System Software, DBMS, Software Engineering & Testing, Computer Networks, Design and Analysis of Algorithms, Computer Architecture, Distributed Systems, Theoretical Computer Science, Compiler Construction, Data Structures, UNIX Internals, PERL and Shell Programming on Linux, Win32 SDK.

## **PERSONAL INFORMATION**

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**Date & Place Of Birth** : 6<sup>th</sup> April 1980, Pune  
**Gender** : Female.  
**Marital Status** : Married.  
**Languages Known** : Marathi, Hindi & English

( **VIJAYA KUMBHAR** )