

# Curriculum Vitae

**Name:** Prof. Dr. Surendra Anil Mahajan  
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## Professional Objective :

Intend to build a career with leading educational institute with committed and dedicated people, which will help me to explore myself full and realize my potential. Willing to work as a key player in challenging & creative environment.

## Academic Record :

Course	Institute	
<b>Ph.D. (Computer Science &amp; Engineering)</b>	Bharath University, Chennai	Awarded
<b>M.Tech. (Information Technology)</b>	BVCOE, Pune	First Class
<b>B.E. (Computer Science &amp; Engineering)</b>	SSGMCE, Shegaon	First Class

## Teaching Experience :

21 Years ( Teaching and Administration)

## Current Designation :

Assistant Professor

## Name of Employer:

PVG's College Of Engineering and Technology, Pune

## Date Of Joining:

01<sup>st</sup> September 2009

## Employment Record :

- **Head of Computer Engineering Department (1999-2003)** at PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune.
- **Head of Information Technology Department (2003-2004)** at PDEA's College of Engineering, Manjari (Bk.), Hadapsar, Pune.
- **Senior Lecturer** in Department of Computer Engg. **(2009)** at PDEA's College of Engineering, Manjari(Bk.),Hadapsar,Pune.
- **Currently, Head Of Department** in Department of Information Technology ,PVG's College Of Engineering and Technology, Pune-09

## Recognitions:

- Has qualified as Software Quality Testing Analyst by Computer Society of India.
- Life Member of International Journal of Engineering Research Applications.
- Session Chair and Judge for the Futurizm -2010 National Level Paper Presentation Competition at PDEA College of Engineering, Hadapsar.
- Session Chair, International Conference on Interdisciplinary Engineering and Sciences-2018,Pune
- Advisory Committee Member for 2 days Faculty Development program at PCCOE on 15<sup>th</sup> Feb 2108.
- Judge at Institute of Engineers ,Pune Local Center for All India Seminar, Oct 2017.
- Head -ISTE Students Chapter (2003-2005) at PDEA's College of Engineering, Hadapsar, Pune.
- Member of College Development Committee at PVG College of Engineering & Technology.
- Successfully Organized National level paper presentation Competition in Sept. 2008 and got recognition by Management and "Sakal", Pune.
- Member- Advisory Committee for ISTE approved two days National level conference NCRITSI 2K19 at D.Y. Patil College of Engineering, Akurdi, Pune.
- Reviewer-cPGCON-2019 at D.Y.Patil Institute of Technology,Pimpri,Pune
- Member-Panel discussion on 2015 Curriculum of I.T. & Computer Engg. at SIT,Narhe.

### **Key Responsibilities at Organization :**

- Finance coordinator of the “VERSATALIA 2011” A National level Event at PVGCOET.
- Member for various College Level Committees like Discipline committee for Versatalia 2009, 2010, Annual social gathering for last 4 years.
- Project Coordinator and Seminar Coordinator for Computer and I.T. from 2009 to 2011 and currently working as Seminar Coordinator for I.T.
- NBA coordinator for I.T. Dept at PVGCOET.
- Academic Coordinator at I.T. Dept. at PVGCOET.
- Purchase In-charge for PVGCOET.
- Successfully Conducted Audit Course at PVGCOET for IT Department on IoT on 11<sup>th</sup> Feb 2017.
- Organizer of Futurizm 2008- National Level Paper Presentation Competition at PDEA’s College of Engineering, Hadapsar, Pune.
- Website Coordinator 2019 for PVGCOET,Pune

### **Key Responsibilities at University :**

- Member, BoS-Information Technology, Savitribai Phule Pune University.
- Member-BoS-Information Technology, JSPM, RSCOE, Pune.
- Member-Advisory Board Committee, Bharati Vidyapeeth’s College of Engg. For Women.
- Examiner for PG Students in various universities for IT and Computer Engineering.
- Guided more than 100 students from UG.
- Internal Senior Supervisor for University Theory Exam Dec 2004 and Dec 2011.
- Chairman for Paper Setting at University Level.
- Subject Expert in University Local Inquiry Committee (LIC).
- Subject Expert in UGC Staffs Selection Committee.
- Practical Subject Chairman at university level.
- External Senior Supervisor for University examination.
- Team member for University On-Line examination.

- Part of various syllabus revision committee of University for Board of Computer and IT.
- Officer in University CAP in 2009.
- External Senior Supervisor for PhD Entrance Exam Oct 2017.
- Key Note Speaker as Member of SPPU at BE IT-2015 course Syllabus Revision at MMCOE on 03<sup>rd</sup> Feb 2018.
- Key Note Speaker at PDEACOEH on Machine learning & Data Science on 6<sup>th</sup> Feb 2108.
- Member of SE/TE Computer Engineering Syllabus finalization at PICTE, Pune on 15<sup>th</sup> Feb 2011.
- Member of T.E./B/E. Computer Engineering Syllabus Finalization at PICTE- 16 Nov 2009.
- Member of Restructuring of SE/TE/BE I.T. Syllabus-2012 at MITAE on 18<sup>th</sup> Dec. 2012
- Panel Member-One Day Syllabus Orientation Workshop BE IT-2015 course, Dec 2018

**Ph.D. Guide :**

Ph.D. guide at Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan

**Research Interest :**

Software Engineering, Software Testing

**Ph.D. Research Title:**

Optimized Test Case Prioritization For Component Based Software Testing With Genetic Algorithmic Approach

**Seminar/ Workshop/ Conferences Organized and Participated:**

- Participated in 3 days Question Bank Development Project for MSBTE. (01-03 Aug 2002).
- Participated as delegate in One Week STTP by AICTE and SKNCOE on Software Testing & Quality Assurance in 2005 (13<sup>th</sup>- 18 th June 2005).

- Successfully completed One Week Faculty Training Program in Software Engineering at Persistent Systems, Pune in 2007(22<sup>nd</sup> -28<sup>th</sup> Dec 2007).
- Faculty Mentor to B E Project under The Great Mind Challenge 2007- a National level Software Development Program by IBM.
- Delegate at One Day Symposium on “High Performance Computing”, COEP,Pune-14 Nov 2009.
- Delegate at MITCOE, Pune for Workshop on Programming & Problem Solving with CSI, Pune-17 July 2009.
- Successfully Completed Training Program in “Effective Role Execution For Institutional Development” at VIT, Pune in with DTE, Mumbai under QTP. (9<sup>th</sup> – 10<sup>th</sup> Feb 2009)
- Successfully Conducted 3 days National level workshop on Linux Networking as Coordinator on 28<sup>th</sup> -30<sup>th</sup> Jan 2009.
- Member of Organizing Committee for 3 days workshop “Current Trends in Distributed Systems” on 22<sup>nd</sup> -24<sup>th</sup> Jan 2012.
- Member of Organizing Committee for 3 days workshop “Object Oriented Modeling & Design” on 05<sup>th</sup> -07<sup>th</sup> July 2012.
- Was Resource Person at VIIT, Pune for One Day Faculty Development Program on PSOOP on 19<sup>th</sup> Aug 2013 in association with BOS IT.
- Delegate at AISSPMSIOIT for 3 days workshop on “New NBA Format for UG Engg Institutes” from 26<sup>th</sup> – 28<sup>th</sup> Aug 2014.
- Participant at AISSPMS IOIT for One Day Faculty Development Program on Info.Tech.Project Management with BoS, SPPU on 14<sup>th</sup> Jan 2015.
- Participated at PVGCOET, Pune for seven days Faculty development program in Cyber security during 26 Feb to 4<sup>th</sup> March 2019 by Shivaji university, MHRD under PMMMNTT,

### **International/National Journal & Conferences Publications :**

➤ <b>Total number of publications:</b>	<b>25</b>
➤ <b>International Conferences:</b>	<b>10</b>
➤ <b>International Journals:</b>	<b>16</b>
➤ <b>National Conferences:</b>	<b>02</b>

### **SCOPUS, IEEE Explorer:**

1. **Mr. Surendra Mahajan, Dr. S. D. Joshi, Dr. V. Khanna,** “Genetic Algorithm Secure Procedures Algorithm to Manage Data Integrity of Test Case Prioritization Methodology.” (**SCOPUS Indexed**) 2014 IEEE Global Conference on Wireless Computing and Networking (GCWCN) Volume-I, Page No.- 208 to 212 IEEE Conference Record No.- 978-1-4799-6298-3/14/ © 2014 IEEE DOI-10.1109/GCWCN.2014.7030880
2. **Mr. Surendra Mahajan, Dr. S. D. Joshi, Dr. V. Khanna,**“ Component-Based Software system Test Case Prioritization with Genetic Algorithm Decoding Technique Using Java Platform.”, **SCOPUS Indexed** )2015 IEEE International Conference on Computing Communication Control and Automation (ICCUBEA) Volume-I , Page 847 to 851 IEEE Conference Record No.- 978-1-4799-6892-3/15 © 2015 IEEE DOI 10.1109/ICCUBEA.2015

### **INTERNATIONAL JOURNALS:**

1. **Mr. Surendra Mahajan,**“ Optimized File Transfer Protocol” ,2008 IJERIA- International Journal of Engineering Research Applications, Volume-1, Issue-7, Page No. – 179 to 191 , ISSN No: 0974-1518
2. **Mr. Surendra Mahajan,**“ Optimized FTP” ,2008 Journal of Advances in Engineering Science, Volume-C, Issue-2, Page No. – 37 to 46 , ISSN No: 0973-9041
3. **Mr. Surendra Mahajan,**“ An Android Application for Bluetooth Multicasting in a Piconet Efficient” ,2013 International Journal of Advance Research in Computer Science,Volume-4, Issue-2, Page No. – 311 to 319 , ISSN No: 0976-5697
4. **Mr. Surendra Mahajan, Dr. S. D. Joshi, Dr. V. Khanna,** “An Efficient Test Case Prioritization In Regression Testing-test Cases Through Genetic Algorithm” ,2014 International Journal of Innovative Technology and Adaptive Management (IJITAM) Volume-1, Issue-6, Page No. – 1 to 9 , ISSN No: 2347-3622
5. **Mr. Surendra Mahajan,** “Mining Web Graphs for Recommendations” ,2014 International Journal of Electronics Communication and Computer ,Volume-5, Issue-2, Page No. – 350 to 352 , ISSN No: Online: 2249–071X, ISSN (Print): 2278–4209/2347-3622
6. **Mr. Surendra Mahajan,**“ Inhibition to Software Piracy Using Challenging Response Protocol” ,2014 International Journal Of Innovative Research & Development ,Volume-3, Issue-4, Page No. – 204 to 208 , ISSN No: 2278-

7. **Mr. Surendra Mahajan, Dr. S. D. Joshi, Dr. V. Khanna**, “Evolution of Test case Prioritization Approach in Software Testing and Role of Genetic Algorithm-Research in Progress” 2014 International Journal of Scientific and Engineering Research Volume-5, Issue-7, Page No. – 1240 to 1246 , ISSN No: 2259-5518
8. **Mr. Surendra Mahajan, Dr. S. D. Joshi, Dr. V. Khanna**, “Test Case Prioritization Methodology For Real Time Software” 2014 International Journal of Advance Research in Science and Engineering Volume-3, Issue-8, Page No.- 50 to 55 , ISSN No: 2319-8354
9. **Mr. Surendra Mahajan**, “Deployment of Mobile Application for Multiplatform Operating systems” ,2015 International Journal of Advance Research in Science and Engineering Volume-4, Issue-4, Page No.- 416 to 420 , ISSN No: 2278-1021
10. **Mr. Surendra Mahajan**, “Virtual Medical Support Application” ,2015IOSR Journal of Engineering (IOSRJEN) Volume-5, Issue-3, Page No.- 08 to 15 , ISSN No: 2278-8719
11. **Mr. Surendra Mahajan**, “Stock Market Analysis Using Online Newsfeeds”,2016 International Journal of Advanced Computer Technology Volume-5, Issue-2, Page No. – 30 to 35 , ISSN No: 2319-7900
12. **Mr. Surendra Mahajan**, “ Intrusion Detection System Using Raspberry PI Honeypot in Network Security” 2016 International Journal of Engineering Science And Computing ,Volume-6, Issue-3, Page No.- 2792 to 2795 , ISSN No: 2250-1371(Certificate), ISSN No: 2321-3361(Paper),DOI-10.4010/2016.651
13. **Mr. Surendra Mahajan**, “Smart Waste Management System Using IOT ”, 2017, International Journal of Advanced Engineering Research and Science ,Vol-4, Issue-4, Page No-093-095,DOI-10-22161-4.4.12
14. **Mr. Surendra Mahajan**, “Development and analysis of Comprehensive Model With Scrum Tree Algorithm for automatic user story processing”, 2019 Journal of Theoretical and Applied Information Technology, Vol 96, Issue 06, E-ISSN:1817-3195, ISSN:1992-8645
15. **Mr. Surendra Mahajan**, “Systematic Review of Software Project Management Using Scrum Strategy For Agile Software Development “ ,2019 UGC,ISSN approved, An International Open access journal, International Journal of Research and Analytical Reviews, Volume 6,Issue 01,E-ISSN-2348-

16. **Mr. Surendra Mahajan**, "Detection of Plant Leaf Disease Using Image taxonomy", 2019, UGC,ISSN approved, An International Open access journal, International Journal of Research and Analytical Reviews, Volume 6, Issue 02, E-ISSN-2348-1269, P-ISSN-2349-5138

#### **INTERNATIONAL CONFERENCES:**

1. **Mr. Surendra Mahajan** "Data Management for Peer to Peer Distributed computing",NCDC-2006, National Conference on Distributed Computing ,2006
2. **Mr. Surendra Mahajan** "A Distributed Environment for Mobility Aware Computing",NCDC-2006, National Conference on Distributed Computing ,2006
3. **Mr. Surendra Mahajan** "Dialog Person Identification and Recognition using K means Algorithm",P-X, 2, PP 1428-1436, International Conference on Advances in Computer Vision and Information Technology 2007, ISBN- 978-81-89866-74-7
4. **Mr. Surendra Mahajan** "Wireless Networking Using Bluetooth",P-I, 31, PP 218-223, International Conference on Advances in Computer Vision and Information Technology 2007, ISBN- 978-81-89866-74-7
5. **Mr. Surendra Mahajan** "Genetic Algorithm for Biomolecular Optimization", P-IV, 3, PP 472-478, International Conference on Advances in Computer Vision and Information Technology 2007, ISBN- 978-81-89866-74-7
6. **Mr. Surendra Mahajan** "Digital Steganography", P-VII, 10, PP 1146-1151, International Conference on Advances in Computer Vision and Information Technology 2007, ISBN- 978-81-89866-74-7
7. **Mr. Surendra Mahajan** "Optimized FTP System", NM 14, PP-192-197,International Conference on Computer N/W and Security 2008, ISBN- 978-81-906198-1-3
8. **Mr. Surendra Mahajan** "Preventing Anonymous Network from Abusive User", IRNetInternational Conference on Computer Science and Engineering 2012, ICCSE- 3FE12-114/5
9. **Mr. Surendra Mahajan** "Visual Automated Billing Method Using Text Extraction", International Conference on Emerging Trends in Computer Science and Information Technology 2012



10. **Mr. Surendra Mahajan** “Software Cost Estimation Methods: Survey”,  
International Conference on Emerging Trends in Computer Science and  
Information Technology 2012

I hereby declare that the information furnished above is true to the best of my  
knowledge.

**Dr. Surendra Anil Mahajan**

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