Dr. VARSHA BHOSALE

E - Mail : vkbhosale21@gmail.com Contact : 7972090353
(02162) 239123

Seeking senior level challenging assignments in teaching field in reputed organization to utilize rich diverse experience & deliver best in class results

Career Conspectus

Networthy Contribution

- **Member of Bodies :**
    - Life member of the Indian Society for Technical Education (ISTE)
    - Associate Member of the Institution of Engineers (India), (AMIE) in Computer engineering division
- Worked as Head of Computer Engineering department at S.V.P. M's college of Engineering, Malegaon(Bk), Tal-Baramati, Dist-Pune from June 2006 to June 2008.
- Worked as a Vice – Principal at GECT`S Satara college of engineering & Management, Limb Tal-Satara from 1 July 2008 to June 2010
- Worked as a Session Chair at 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) in Mumbai, India during January-2011
- Organized and conducted Industry-Institute interaction meet during 2014-15.
- Worked as Convener for three days **'Faculty Development Programme'** organized under lead college activity of Shivaji University, conducted during 20th to 22nd August 2014 at GECT's SCOEM, Satara.
- Recognition as a Post Graduate Teacher for Computer Science and Engineering from October 2015 at Shivaji University, Kolhapur.
- Worked as a Center coordinator for one day workshop on 'R Programming' organized by IIT Bombay on 9th November 2019 at AGCE, Satara.
- Working as a HOD of Computer Science and Engineering department at Arvind Gavali College of engineering, Satara from 1July 2019 to 1 July 2021 .
- Worked as Chairman of Academic Monitoring Committee and from 1 July 2019 to 1 July 2020.
- Working as Chairman of Internal Complaint Cell from 1 July 2019 to 1 July 2021.
- Worked for AQAR member for NAAC committee and NBA.
- Working as a member of Research and Development Cell and Peer team.
- Working as route coordinator in admission process 2020-21.

- Worked as a Chairman and paper setter for DBATU university exams.

- Achieved appreciation award as a reviewer in India's Largest Computer Science Competition for Global Technovation 2021 held at New Delhi In February 2021.

- Worked as a reviewer for International Conference on Innovations in Computer science ,Electronics and Electrical Engineering, (**ICICEEE-2022**), Scopus indexed, Ashta, ,Maharashtra, India, February 14-15, 2022.

- Achieved best paper presentation award in International Conference on Innovations in Computer science, Electronics and Electrical Engineering, (**ICICEEE-2022**), Scopus indexed, Ashta, Maharashtra, India, and February 14-15, 2022.

- Working as an Editor and reviewer for STM Journals, New Delhi.

- Worked as a Peer reviewer for Journal of Computer Technology & Applications (ISSN: 2229-6964) in October 2022.

- Worked as a Peer reviewer for STM Journal of Current Trends in Information Technology (ISSN: 2249-4707) in February 2023.

- Worked as a Peer reviewer for International ELSEVIER Journal of BIOSYSTEMS in August 2023.

- Worked as a Peer reviewer for IEEE ICBDS 2023 International conference in September 2023.

Experience :-

Teaching : 23 years

Sr. No.	Name of the Institute / Indusry	University	Designation	Period
1	T.G.S. Systems, Sinhgadh road, Pune	-	As a trainee engineer	August 1998 to Dec 1999
2	Govt. College of Engineering Pune	Pune University	Lecturer in Computer Engineering	Dec 1999 to May 2002
3	System Integration & Solution Pvt Ltd., Pune- 04	-	Software Engineer	August 2001 to 2002.
4	K.B.P.. College of Engineering, Satara	Shivaji University	Lecturer in Computer Engineering	2002 to 2003
5	Bharati Vidhyapeeth College of Engineering Pune- 43	Bharati Vidhyapeeth - Pune	Lecturer in Computer Engineering	2004 to 2005
6	K.B.P. College of Engineering, Satara	Shivaji University	Lecturer in Computer Engineering	2005 to 2006
7	S.V.P.M.'s College of Engineering, Malegaon (Bk)- Baramati	Pune University	H.O.D. of the Computer Engineering	2006 to 2008
8	GECT`S Satara college of engineering & Management, -Satara.	Shivaji University	Asst. Professor and Vice Principal	2008 to 2010
			H.O.D. of the Computer Engineering	2010 to 2012
			Assistant Professor in Computer Engineering	2008 to 2016
			Associate Professor in Computer Engineering	2016 to 2019
9	Arvind Gavali College of Engineering, Satara.	Dr. Babasaheb Ambedkar Technical University (BATU),	Associate Professor and HOD Computer Engineering	July 2019 to Sept 2020
10	Arvind Gavali College of Engineering, Satara.	Dr. Babasaheb Ambedkar Technical University (BATU)	Professor and HOD Computer Science & Engineering	Oct 2020 to August 2021.

11.	Dnyanshree Institute of Engineering and Technology, Sajjangadh, Satara	Dr. Babasaheb Ambedkar Technical University (BATU)	Associate professor and HOD Computer Science & Engineering	September 2021 to September 2023

Industrial : 2 Years

Educational Qualification: -

Education	University	Year of Passing	Percentage
PhD in Engineering	NMIMS Mumbai (Advisor: Dr. Vijay T. Raisinghani)	May 2019	
M.E. Computer	Bharati Vidhyapeeh Deemed University, Pune-43	Oct 2005	7.75 CGPA
B.E. Industrial Electronics	Dr. B.A.M.U. Aurangabad University	July 1998	64%
D.C.M.	B.T.E. (Board of Technical Education,Mumbai)	July 1995	60.63%
H.S.C.	Pune Divisional Board	June 1992	62.83%
S.S.C.	Pune Divisional Board	June 1990	81.42%

PROFESSIONAL QUALIFICATIONS: -

- Diploma in Advanced Computer Networking and Computer Programming (DANC) containing C,C++,VC++,VB,ORACLE,,JAVA,WINDOWS NT,UNIX in the year 1998-1999, from NIIT,Pune.

- Core Java & Advanced Java certification course from Boston institute in the year 2007.

PATENT PUBLISHED: -

1) TITLE: SECRET KEY MANAGEMENT FOR DISTRIBUTED WIRELESS SENSOR NETWORK
PUBLICATION DATE: 23/09/2022

2) TITLE: MODELS FOR ENERGY EFFICIENCY AND THROUGHPUT OF 802.15.4 WBANS
PUBLICATION DATE: 24/03/2023

BOOK PUBLISHED: -

TITLE: "INTRODUCTION TO DEEP LEARNING", BOOK RIVERS PUBLICATION.
AUTHORS: VIKAS B. MARAL, DILIP KUMAR J. SAINI, DR. VARSHA KIRAN BHOSALE, GAJANAN P. ARSALWAD.

Technical Activities: -

- ➢ **Technologies:**
  - Programming: C/C++,VC++,VB, ORACLE, JAVA, R, Python
  - Databases: MS SQL, Oracle, MySQL
  - OS: Unix, Linux, Windows, Ubuntu
  - Web Servers: Apache
  - Simulators: CASTALIA, OMNeT++

- ➢ **Projects done at System Integration & Solution Pvt Ltd., Pune‑ 04**

  - **Hotel & Lodge Management System**
    Front end:- VB / VC++.
    Back end :- MS ACCESS, SQL,ORACLE

  - **Library Management System**
    Front end :- VB / VC++.
    Back end :- MS ACCESS, SQL,ORACLE

  - **Transportation Management System**
    Front end:- VB/ VC++.
    Back end :- MS ACCESS, SQL,ORACL

Short term courses/workshops attended:

-
   'Workshop on teaching skill' conducted during 25th to 31st August 2006, in the Staff development programme 2006-07, jointly organized by S.V.P.M's C.O.E.Malegaon(Bk) & Vidhya Pratisthan's C.O.E. Baramati.

- **'Workshop on Networks & Information Security(NIS 2007)'** from 11th to 13th January 2007 ,oraganized by Dept. of Computer Engg. at Vishwakarma Institute of Information Technology, Pune.

- **'Faculty Development Programme**' conducted during 2nd to 6th January 2008, organized by S.V.P.M's C.O.E.Malegaon(Bk) , Baramati.

- **ISTE Approved , Two Weeks Short Term Training Programme on ' Recent Advances in Image Processing '** under the lead college scheme of Shivaji University ,Kolhapur, during 01st to 12th December 2008 , at Dept. of Electronics Engineering ,K.B.P. College of Engineering & Polytechnic , Satara.

- Attended two day training program on **"Teaching Learning Process"**at Satara college of Engg and Management on 1st and 2nd Jan 2010

- **ISTE Approved Two Weeks Workshop on 'Database Management Systems ' organized by IIT Bombay,** at RIT College , Sakharale during 13 Dec to 25 Dec 2010.

- Attended one week of training program on **"High Impact Teaching Skills – Mission 10X**", organized by Dale Carngie & Wipro at Satara college of Engg and Management on 24th to 31st Jan 2011.

- Attended two national level workshop on **"Research papers writing and publishing using LaTex",** organized by Kaveri College of Science and Commerce , Pune on 8th to

9th Feb 2013.

- Organized three days ' **Faculty Development Programme**' under lead college activity of Shivaji University, conducted during 20th to 22nd August 2014 at GECT's SCOEM, Satara

- Attended two days workshop on **" LaTex-Document Preparation System"** under lead college scheme of Shivaji University, organized by GECT's SCOEM, Satara on 14th & 15th March 2015.

- Attended one week of AICTE-ISTE approved one week STTP on **"Advanced trends in Information Technology,"** organized by PVPPCOE, Sion, Mumbai- 22, India on 18th July to 6th July 18.

- Attended 2 days state level faculty development program on " **Machine Learning with Python** " on 8th and 9th January 2019 at AISSMS's- IOIT, Pune-01.

- Attended 1 day online state level **Coordinators workshop on R**, organized by Teaching learning center, ICT at IIT, Bombay on 12 October 2019.

- Completed NPTEL online certification course on **Accreditation and Outcome based Learning** from August to October 2019.

- Attended 1 day online state level **workshop on C & C++,** organized by Teaching learning center, ICT at IIT, Bombay on 29 February 2020.

- Attended **NAAC awareness quiz -2020** on 18 May 2020 organized by DBATU, Lonere.

- Completed Coursera course of **Machine Learning for All** on 25th July 2020 organized by University of London.

- Attended online webinar on," **Virtual Labs: Effective tool for Teaching and Learning**" organized by Maharshi Karve Stree Shikshan Samstha's Cummines college of Engineering for Women Nagpur on 10 July 2020.

- Attended online one week online Faculty Development Program on **"OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE"** from 11-15 May 2020 under Margdarshan Scheme of AICTE, New Delhi, organized by Govt. College of Engg. Karad

- Attended online one week ISTE approved online SF-STTP programme on "**Artificial Intelligence and Emerging Trends** "held during 4-8 January 2021 organized by Karmveer Bhaurao Patil college of Engineering, Satara.

- Attended online webinar on, **"Research: Tools and Techniques"** organized by Computer Science and Engineering, Department of Karmveer Bhaurao Patil college of Engineering, Satara on 18th January 2021.

- Attended Faculty Development Program on OBE: CO PO Attainment Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 5 th Feb 2022.

- Attended Seminar on "Professionalism" organized by RWMCT'S Dnyanashree Institute of Engineering & Technology, Satara on 5 th Feb 2022.

- Attended Seminar on "Time Management" Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 12 th Feb 2022.

- Attended Seminar on " Research Process: an Overview" Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 26th Feb 2022.

- Attended short term training program on "Course Outcome-Programme Outcome: Mapping and Attainment" Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 6th Feb to 10th Feb 2022.

- Attended workshop on "Content creation using Multimedia Platform", Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 9th March to 11th March 2023.

- Attended and organized a special session on Recent Trends in Machine Learning for Health Care as a Technical Programme Committee during INDIACom-2023, 17th INDIACom; 2023 10th International Conference on "Computing for Sustainable Global Development" IEEE Conference ID:57626, organized by BVICAM, New Delhi from 15-17th March, 2023.

- Attended workshop on "Workplace Ethics" Organized by RWMCT'S Dnyanshree Institute of Engineering & Technology Sajjangad, Satara on 1st and 3rd April 2023.

Research and publications

- **Ph.D. Thesis title :**

    Models for Energy Efficiency and Throughput of 802.15.4 WBANs

    - **Publications – International Conference**

    ➢ A Second Order Energy Consumption Model for Improving Performance of 802.15.4 MAC, In International Conference on Innovations in Computer science ,Electronics and Electrical Engineering, (**ICICEEE-2022**), Scopus indexed, Ashta, ,Maharashtra,India, February 14-15, 2022.

    ➢ A Linear Energy Consumption Model for 802.15.4 MAC, In: 5th International Conference on Innovations in Computer Science & Engineering**. (ICICSE- 2017), Springer,** GNI, Hyderabad, India, 18-19th Aug. 2017 [Scopus]

    ➢ An empirical model for improving the throughput of 802.11 MAC, In: **IEEE** International conference on wireless and optical communications networks **(WOCN-2014),** KLU University, Vijayawada, Hyderabad, India, 22-23rd Sept. 2014 (Shortlisted for the best paper award) [Scopus].

    ➢ '**A Survey of Security Issues and Improvement Methods in IPv6'** presented at International Conference & Workshop on Emerging Trends in Technology (2012), ICWET 2012 organized during 24th and 25th Feb 2012 at Thakur College of Engineering & Technology, Mumbai, India

    ➢ **'Software reverse Engineering'** presented at International Conference on Emerging technologies & Applications in Engineering, Technology & Sciences, **'ICETAETS-2008',** held at Dept. of Computer Science, Saurashtra University, Rajkot, Gujarat State –India, during 13th to 14th January-2008.

    ➢ **'Steganographic techniques for information hiding'** presented at International Conference on Emerging technologies & Applications in Engineering , Technology &

Sciences, **'ICETAETS-2008'** , held at Dept. of Computer Science ,Saurashtra University, Rajkot-360005, Gujarat State –India, during 13th to 14th January-2008.

➤ **'Solaris 10 OS Zones technology for virtualization concept.'** presented at International Conference on **'IT IN ACADEMICS** ' held at Sinhgad Institute of Management , Pune & organized with SIBACA,Lonavala from 20th & 22nd February 2009.

➤ **'Server Consolidation using Solaris 10 OS Zones technology'** presented at International Conference **'ITECH-09',** organized by the Dept. of Information Technology , Amrutvahini College of Engineering, Sangamner from 4th & 5th March 2009.

➤ **'Quality of Service in Advanced Encryption Standard Algorithm '** presented at 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) in Mumbai, India during January 7-9,2011.

- **Publications – Journal**

➤ Survey on Beacon-Enabled IEEE 802.15.4 MAC Mechanisms, In *International Journal of Applied Engineering and Research (IJAER), New Delhi, India,* Mar 2018. [Scopus, ICI, EBSCOhost, UGC approved]

➤ Dr.V.K.Bhosale, Ms. Pratiksha Kadam, Ms. Jyoti Mane," Automatic Text classification of News Blog Using Machine Learning", presented at International Conference on Research Outlook, Innovations and Research Trends(ICROIRT-2020) organized during 29th-30th August 2020, published in International Journal of Advanced study and Research work (Impact factor: 2.658)

➤ Dr.V.K.Bhosale, " Veggies: An Android Application for Farmers" published in Mukt Shabd Journal, Volume XI, Issue VII, July-2022.[UGC CARE GROUP-I Journal]

➤ Dr.V.K.Bhosale, " Money Transaction Security Using Blockchain" published in Mukt Shabd Journal, Volume XI, Issue VII, July-2022.[UGC CARE GROUP-I Journal]

- **Publications – National Conference**

➤ **'Network Security & Protection against Cyber attacks'**, presented at National seminar **BVCON'S 2005** on **'CYBER-CRIME – Past,Present & Future'** held at Institute of Management & Rural Development Administration, Sangali , (Maharashtra) on 11th &12th March 2005.

➤ **'An Optimal method for Synthetic Aperture Radar image segmentation'** presented at National Conference on **"EMERGING TRENDS IN BIOMEDICAL ENGINEERING"** held at Bharati Vidhyapeeth college of engineering, Pune-43,on 15 &

16 September 2005.

- **'Bioinformatrics Databases'** presented at National Conference on '**EMERGING TRENDS IN BIOMEDICAL ENGINEERING'** held at Bharati Vidhyapeeth college of engineering, Pune-43, on 15 & 16 September 2005.

- **'Information hiding using wavelet based HC-RIOT coder'** presented at National Conference on Information Security' **MERG-07'**, held at Dept. of Computer Engg. Smt. Kashibai Navale College of Engineering, Vadgaon(Bk.), Pune-41, on 23rd & 24th November 2007

- **'Steganographic techniques for information hiding'** presented at National Conference on Information Security' **MERG-07'**, held at Dept. of Computer Engg. Smt. Kashibai Navale College of Engineering, Vadgaon(Bk.), Pune-41, on 23rd & 24th November 2007

- **'A Novel method for integrating in an uniform model cryptography & steganography'** presented at 'National Conference on Systematics, Informatics & Cybernetics, '**PINNACLE-08** 'held at Dept. of Computer Engg. MIT College of Engineering, Kothrud,Pune, during 13th to 15th March 2008

- **'Synthetic Aperture Radar Image Segmentation'** presented at 'National Conference on Electronics,Communication & Automation-08' held at Dept. of Electronics & Telecommunication Engineering ,Shri Vithal Education & Research Institute's College of Engineering , Pandharpur,on 23rd & 24th December 2008

- **'Advanced network security using cryptography & steganography'** presented at 'National Conference on Advances in Instrumentation, Signal Processing & Communication-2009', **'AISPC-2009'** held at NDMVPS's Karmveer Baburao Ganpatrao Thakare College of Engineering, Nashik, on 23rd & 24th January 2009

- **'Take business to high level with solaris 10 cloud computing'** presented at 'National Conference,**'NCFCA-09',** All India Shri Shivaji Memorial Society's Institute of Information Technology, Near R.T.O. Keenedy Road, Pune-01, On 22 & 23 December 2009

Personal Details –

Name	**: Dr. Varsha Kiran Bhosale**
Date of Birth	**: 11 Feruary 1975**
Languages	**: English, Hindi and Marathi**
Hobbies	**: Travelling, Reading and Listening Music**
Permanent Address	**: 21, "Shiv-Kiran", Shikshak Colony, Sadar Bazar Camp, Satara**