



Mrs. Bharati P. Vasgi

Assistant Professor

Department of Information Technology,

Sinhgad College of Engineering, Pune

+91 98509 20006 (M)

bpvasgi.scoe@sinhgad.edu,

bharativasgi@gmail.com

Education:

Degree/Course	University/Board	Year of Passing	Percentage	Class/Grade
PhD (computer Science Engg)	Swami Ramanand Teerth Marathwada University Research Centre: S.G. G.S.I.E.T	Admission year-2012	Thesis submitted	
M.E (computer)	PICT, Pune University	2008	66.34	First Class
BE Computer Sci. & Engg.	Swami Ramanand Teerth Marathwada University	2000	75.05	First Class with Distinction
HSC	Maharashtra Board, Division Aurangabad	1995	79.67	First Class with Distinction
SSC	Maharashtra Board, Division Pune	1993	86.14	First Class with Distinction

Academic Positions:**Total experience 18 years 3 months****UGC Approved experience : 16 years 3 months**

Post	Department / Organization	Period	
Assistant Professor	Department of Information Technology, Sinhgad College of Engineering, Pune	2 Aug 2010	Till date
Lecturer	Department of Information Technology, Sinhgad College of Engineering, Pune	1 Sept 2005	1 Aug 2010
Lecturer	Department of Computer Engineering, D.J.Sanghvi C.O.E. Mumbai	9 Jan 2004	31 Aug 2005
Lecturer	Department of Computer Engineering, S.G.G.S.C.O.E Nanded	1 Aug 2002	31 Dec 2003
Lecturer	Department of Computer Engineering, M.G.M's C.O.E. Nanded	1 Sept 2001	30 Jul 2002
Faculty, Programmer	US S/W Solutions, Nanded	1 Jun 2000	31 Dec 2000

Funded Research Projects:

Year	Role	Project Title	Funding agency	Amount sanctioned
2016 - 2018	Principal Investigator	Secure sharing of personal health records in outsourced environment	BCUD, Pune University	Rs. 80,000/-
2016 - 2018	Co- Investigator	Adaptive execution of Scientific Workflow Applications to improve performance on Cloud Computing	BCUD, Pune University	Rs. 1,40,000/-

Projects Implemented:

Year		Project Title
2012-2018	PhD	Algorithm for data security in cloud
2006-2008	ME	XCG: XSL code generator
2000	BE	Automation of Department in Educational Institute
1999	TE	Order Processing Small Saving Account (at NIC)

FDP/STTP/Workshop/Seminar/ Symposium attended:

2018-19	Data Science and Machine Intelligence organized by MHRD Government of India at NBNCOE from 10/6/2019 to 14/6/2019
2018-19	Rubics Data Science organized by MHRD Government of India at NBNCOE on 15/6/2019
2018-19	BE IT 2015 syllabus Orientation workshop organized by PDEA'S college of Engineering on 28-12-2018
2018-19	STTP on "Intelligent Soft Computing Techniques", organized by JSPM Narhe Technical Campus during 10-12-2018 to 1-12-2018
2018-19	Workshop on "Machine Learning with Python", organized by AISSMs Pune during 8-1-2019 to 9-1-2019
2018-19	Seminar on "Machine learning and computational intelligence", organized by PICT, Pune during 18-1-2019 to 19-1-2019
2018-19	Seminar on "Cyber Security", organized by SCOE Pune
2017-18	ACM sponsored two days state level FDP on "Certified Secure Computer User", organized by I2IT during 12/6/2018 to 13/6/2018
2017-18	Pro-School IMS initiative workshop on "Insights into Business Analytics", organized by SCOE, Pune 17/7/2018 to 17/7/2018
2017-18	Infosys webinar on "Open ended quizzes: A strategy to enhance thinking skills of students", 28/6/2018

2017-18	Research Symposium-V organized by S.G.G.S.I.E.T Nanded during 29/7/2017 to 30/7/2017
2017-18	Two days workshop on "Optimization Techniques for Engineering Applications", organized by SCOE, Pune during 8/1/2018 to 9/1/2018
2017-18	5 days FDP on "Probability and Statistics for Machine Learning and Deep Learning", organized by AIT Dighi during 5/12/2018 to 9/12/2018
2017-18	Two days workshop on "Data Science and Machine Intelligence", organized by PCCOE, Pune during 15/2/2018 to 16/2/2018
2017-18	One day workshop on "SPPU BE IT Syllabus Revision Workshop (2015 course)", organized by MMCOE, Pune on 3/2/2018
2017-18	Research Symposium-VII organized by S.G.G.S.I.E.T Nanded during 30/1/2018 to 31/1/2018
2016-17	One day workshop on "Research paper writing: Tips and tricks", organized by SKNCOE, Pune on 10/2/2017
2016-17	Three days workshop on "Research methodology for PhD aspirants in different domains of Engg", organized by PCCOE, Pune during 5/2/2017 to 7/2/2018
2016-17	Two days workshop on "Parallel computing with CUDA", organized by PICT, Pune during 11/2/2017 to 12/2/2018
2016-17	Avishkar project competition organized by VIIT Pune on 12/2/2018
2015-16	Research Symposium-III and IV organized by S.G.G.S.I.E.T Nanded during 25/7/2015 and 13/3/2016
2015-16	One day workshop on "Machine Learning and software laboratory-III", organized by SCOE Pune on 3/7/2015
2014-15	One day workshop on "BE IT 2012 syllabus setting workshop", organized by SIT Lonavala on 23/3/2015
2014-15	Three days workshop on "Latest technology trends in IT", organized by Infosys Pune on 10/9/2014 to 12/9/2014
2014-15	Two days FDP on "Cloud computing", organized by SKNCOE Pune on 7/6/2014 to 8/6/2014

2014-15	Research Symposium-I and II organized by S.G.G.S.I.E.T Nanded during 30/1/2015 and 31/1/2015
2013-14	Three days workshop on "Teacher Advancement programme", organized by SCOE Pune on 18/4/2014 to 20/4/2014
2012-13	Attended Alan Turing sessions organized by Persistent Systems Pvt Ltd during academic year 2012-13
2012-13	Five days FDP on "Security challenges in computer science", organized by Shri Guru Gobind Singhji Institute Of Engg and Technology Nanded on 24/6/2013 to 28/6/2013
2012-13	Five days STTP on "Data mining techniques and warehouse application", organized by MAE , Alandi, Pune on 3/12/2012 to 7/12/2012
2012-13	Five days FDP on "Machine learning and data mining approaches: A research perspective", organized by COE, Pune on 28/3/2012 to 6/4/2012
2011-12	One day seminar on "Growing excellence and distinctiveness in a competitive environment", organized by Cummins College of Engineering Pune on 8/11/2011
2011-12	Two days conference by ACM compute 2012 at YASHADA ,Pune on 23/1/2012 to 24/1/2012
2011-12	Five days STTP on "Information assurance And security", organized by MIT College of Engineering Pune on 16/7/2011 to 20/7/2011
2010-11	One day workshop on "Problem based Learning", organized by SCOE, Pune on 26/4/2011
2010-11	One day workshop on "BE IT 2008 syllabus setting", organized by SCOE, Pune on 7/3/2011
2010-11	Two days workshop on "Research in Biometric technologies, systems and applications", organized by MMCOE, Pune on 23/2/2011 to 24/2/2011
2010-11	Six days workshop on "Network and Information Security, organized by MIT, Pune on 20/10/2010 to 25/10/2010
2010-11	Two days workshop on "Latex for paper writing", organized by SCOE, Pune on 24/9/2010 to 25/9/2010

2007-08	Two days workshop on “PMI workshop”, organized by SCOE, Pune on 25/9/2007 to 26/9/2007
2004-05	Five days STTP on “.Net technologies”, organized by SKNCOE, Pune on 24/11/2005 to 28/11/2011
2004-05	Attended ISTE Annual Convention at New Delhi
2004-05	Three days workshop on “Advanced Databases” at Vivekananda Institute of Technology, Mumbai

Seminar/Workshop Arranged/Coordinated:

2018-19	One day workshop on “Latex for Report Writing”, organized by SCOE, Pune on 20/03/2019
2018-19	One day seminar on “Cyber Security”, organized by SCOE, Pune on 21/02/2019
2018-19	Coordinated “Seed IT Idol” competition at SCOE on 25/1/2019
2018-19	Arranged seminar on “Higher education opportunities” on 15/2/2019
2018-19	Arranged seminar on “Education in Abroad”, on 27/1/2019
2018-19	One day workshop on “Project Designing using Java-MySQL”, organized by SCOE, Pune on 18/9/2018
2018-19	One day workshop on “Software modeling Using UML”, organized by SCOE, Pune on 1/10/2018
2017-18	One day workshop on “Latex for Report Writing”, organized by SCOE, Pune on 26/03/2018
2016-17	National Conference on “Recent Trends and Advances in Computing, Communication and Security”, organized by SCOE, Pune on 16/02/2017 to 17/02/2017
2016-17	Avishkar Orientation Lecture organized by SCOE, Pune on 28/09/2016
2016-17	Techno dumb organized by SCOE, Pune on 9/02/2017 to 12/02/2017

2015-16	Two days workshop on “Implementation of Theory & Practical of Elective-III,SL-V,SL-VI: BE 2012 Course”, organized by SCOE, Pune on 18/12/2015 to 19/12/2015
2015-16	Two days conference on “IPGDICON 2016”, organized by SCOE, Pune on 29/04/2016 to 30/04/2016
2015-16	Three days workshop on “Cloud Computing, Big Data & Its Components”, organized by SCOE, Pune on 26/03/2015 to 28/03/2015
2014-15	Three days workshop on “Internet security and ethical hacking”, organized by SCOE, Pune on 18/01/2015 to 20/01/2015
2013-14	Two days workshop on “Internet threats and Security”, organized by SCOE, Pune on 5/02/2015 to 06/02/2014
2010-11	One days conference on “IPGDICON 2011”, organized by SCOE, Pune on 29/04/2011
2010-11	Two days workshop on “Ethical Hacking”, organized by SCOE, Pune on 27/08/2010 to 28/08/2010
2008-09	Avishkar-2008 organized by SCOE, Pune on 23/09/2008 to 24/09/2008

Guest Lecture Organized:

Arranged around 25 guest lectures on technical and non-technical topics.

Interaction with Outside World :

2018-19	Guest lecture on “Cyber Security and Cyber Crime” for TE(EnTC) students on 25/3/2019 as a part of audit course
2018-19	Paper setter for ISR-BE (2012 course) Insem and Endsem appointed by SPPU, Pune
2018-19	Guest lecture on “Cyber Security and Cyber Crime” for TE(EnTC) students on 25/9/2018
2018-19	Mock interview conduction at AISSMS on 12/9/2018

2018-19	Reviewer for ICCUBEA 2018 IEEE conference held at PCCOE Pune in Aug 2018
2017-18	Reviewer for ICCUBEA 2017 IEEE conference held at PCCOE Pune in Aug 2017
2017-18	Guest lecture on “Cyber Security and Cyber Crime” for SE(EnTC) students on 6/4/2018
2017-18	Paper setter for ISR-BE (2012 course) Insem and Endsem appointed by SPPU, Pune
2016-17	Resource person for Train The Trainer (TTT) workshop on Theory of Computation at SCOE Pune
2016-17	Guest lecture at RMD Sinhgad College on topic “Theory of Computation: Decidable and Undecidable languages” on 7/9/2017
2016-17	Arranged Social visit of SE and TE students at Matoshree old age home on 24/8/2017
2016-17	Arranged Industrial visit of TE students at PSL Hinjewadi on 10/9/2016
2016-17	Participated in Avishkar project competition at VIIT Pune on 2/12/2016
2015-16	Speaker for the workshop on “Cyber Security and Cyber Crime” for PG student on 24/10/2015
2015-16	Judge for project competition at AISSSMS Pune on 29/3/2016
2015-16	Conducted session in one day workshop on “Implementation of Theory & Practical of Elective-III,SL-V,SL-VI: BE 2012 Course” at SCOE, Pune during 18/12/2015 to 19/12/2015
2015-16	Working as department’s coordinator for Persistent System Pvt. Ltd MOU till date
2015-16	Working as department’s coordinator for Seminar, Workshop and guest lecture conduction MOU till date

Membership of Professional Societies:

CSI (Computer Society of India) - 00127331
International Association of Engineers (IAENG) - 114795

Book Reviewed:

2011 Information Technology for Pune University, Pearson Education, 2011

Project Guidance:

a) Post Graduate students (ME): 7

Sr.	Name of Student	Dissertation Topic	Year of Completion
1	Anuja Mukane	Multilayer Intrusion detection system using conditional random fields	June-2013
2	Sandesh Pare	Personalization of the web search	June-2014
3	Shivani Gupta	Efficient Pattern Discovery Using Text Mining For Retrieving Relevant Documents.	May-2015
4	Purva Chavan	Anonymous User Authentication Scheme for Decentralized Access Control of Data Stored in Clouds	June-2016
5	Abhijeet Sartape	Detecting Intrusions in databases by using policy mechanism	June-2015
6	Seema Tribhuvan	Parallel Frequent Itemset Mining for Large Datasets using Hadoop-MapReduce	June 2017
7	Ashwini Nikam	Privacy preserving content based image retrieval in cloud repositories	Ongoing

b) Under Graduate students (BE): 17 Projects

- 2018-19 Intelligent Information Retrieval using Genetic Algorithm
- 2018-19 NGO Connect
- 2017-18 Secure retrieval in outsourced environment
- 2017-18 Online payment system
- 2016-17 Gesture Recognition Using Kinect Sensor
- 2016-17 Efficient Fuzzy Keyword Search Over Outsource Secure Data
- 2015-16 File Comparing and versioning
- 2015-16 Secure searching using modern cryptographic tools
- 2014-15 Mobile Blocker
- 2013-14 Tracking System using GPS and GSM
- 2012-13 Steganography using biometrics
- 2011-12 To design and implement Web Content Management System in Java
- 2010-11 Locating family and friends using GPS
- 2008-09 Login Security System
- 2007-08 Virus pattern recognition system
- 2006-07 Employer conveyance system
- 2005-06 Health Care System with PDA

Reviewer: International Conferences /National Conference:

2018-19	Reviewer for Journal of Information Technology and Sciences
2018-19	Reviewer for ICCUBEA 2018 IEEE conference held at PCCOE Pune in Aug 2018

2017-18	Reviewer for ICCUBEA 2018 IEEE conference held at PCCOE Pune in Aug 2017
2016-17	Reviewer for National Conference on Recent Trends and Advances in Computing, Communication and Security

University Service:

- Junior Supervisor of conduction of Pune University Theory Examination
- Member of panel of examiners for UG of Pune University
- Working as a Paper setter for Information Storage and Retrieval (Insem- 2015 course), (Insem, Endsem 2012 course)
- Project evaluator in SPPU, Pune
- Member of Committee formed for framing of syllabus (TOC and ISR), SPPU
- Chairman for Software laboratory – I (2015 course) (TE IT)
- Chairman for Information Storage and Retrieval (2015 course)

Courses Taught:

Under-Graduate	Class and branch
Structure Of UNIX Operating System	B.E.(Computer science and engg)
Computer Oriented Numerical Methods	SE(Computer science and engg)
Object Oriented Programming	TE(Computer science and engg)
Database Management System	TE(Information Technology)
Data Structures and Files	SE(Information Technology) and SE(Computer science and engg)
Theoretical Computer Science	TE (Computer science and engg) and TE(Information Technology)
Advanced Databases	TE(Computer science and engg)
Computer Organization	SE(Computer science and engg)
Information System Lab	TE (Computer science and engg) and TE(Information Technology)
Information System Security	B.E(Information Technology)
Information System Security Lab	B.E(Information Technology)
Information Retrieval	B.E(Information Technology)
CLP-II Lab	B.E(Information Technology)
Data structure and files lab	S.E(Information Technology)
Programming lab	S.E(Information Technology)
Object Oriented programming lab	S.E(Electronics and Telecommunication))

Research Publications:

Summary of publications:

International Journal: 13 International Conferences: 4 National Conferences: 13

International Journals:

1. Bharati Vasgi, U. V. Kulkarni, "Secure Sharing and Retrieval of Personal Health Records in Outsourced Environment", Journal of Applied Science and Computation, ISSN: 0076-5131, Vol. 5, Issue 7, July 2018
2. Bharati Vasgi, U. V. Kulkarni, "Data Security Issues in Outsourced Environment: A survey", International Journal for Research in Engineering Application & Management, ISSN: 2454-9150, Vol. 3, Issue 10, Jan 2018
3. Bharati Vasgi, U. V. Kulkarni, "A Secure and Effective Retrieval Using Hash Based Mapping Structure over Encrypted Cloud Data", Journal of Electrical, Electronics & Computer Science Engineering, ISSN: 2454-1222, Vol. 4, Issue 4, Aug 2017
4. Bharati Vasgi, U. V. Kulkarni, "Aiding Secure Data Retrieval Incorporated with Parallelization Technique in Cloud", accepted in International Journal of Advanced Intelligence Paradigms, Inderscience.
5. Seema Tribhuvan, Bharati Vasgi, "Parallel Frequent item set mining for bid datasets using hadoop-mapreduce paradigm", International Journal of Advanced Research in Computer and communication Engineering, ISSN: 2278-1021, Vol. 6, Issue 6, Jun 2017
6. Purva Chavan, Bharati Vasgi, "A Survey on Anonymous User Authentication using Decentralized Key Distribution Architecture", International Journal of Science and Research (IJSR), ISSN: 2319-7064, Vol. 2, Issue 2, Feb 2016
7. Shivani Gupta, Bharati Vasgi, "A effective pattern discovery using text mining", International Journal of Engineering technology and computer research, ISSN: 2348-2117, Vol. 2, Issue 6, Dec 2014
8. Sandesh Pare, Bharati Vasgi, "A short review on personalization scheme", Cyber Times international Journal of Technology and Management, ISSN: 2278-7518, Vol. 7, Issue 1, Mar 2014
9. Sandesh Pare, Bharati Vasgi, "A short review on different personalization scheme", International Journal of Engineering research and development, ISSN: 2278-7518, Vol. 10, Issue 3, Mar 2014
10. Abhijeet Sartape, Bharati Vasgi, "Database security using different techniques: A survey", International journal of computer trends and technology, ISSN: 2231-2803, Vol. 4, Issue 4, 2013
11. Abhijeet Sartape, Bharati Vasgi, "Protection of databse by using policy based mechanism a survey", International Journal of advanced research in computer science and software engineering, ISSN: 2277, Vol. 3, Issue 5, 2013

12. Anuja Mukane, Bharati Vasgi, "Multilayer intrusion Detection System using conditional Random fields", International journal of scientific Engineering research, ISSN: 2229-5518, Vol. 4, Issue 12, 2013

International Conferences:

1. Seema Tribhuvan, Bharati Vasgi, "Frequent itemset mining using improved apriori algorithm with map reduce", International IEEE conference ICCUBEA 2017, PCCOE, Pune, Aug 2017
2. Shivani Gupta, Bharati Vasgi, "Retrieval of relevant document based on Discovered Patterns using text mining", International Conference on Green Computing and Internet of Things (ICGCIoT 2015), IEEE, GCET, Great Noida, Delhi, Oct 2015
3. Bharati Vasgi, Swati Vijay, "XCG: Tool for XSL code generation", International Conference on IT in academics, SIOM, Pune, Himalaya publication, pp. 246-248, Feb 2009
4. Mrunalini Chouhan, Bharati Vasgi, "Device aware mobile web", iCOST international conference on sunrise technologies, SSVP sanstha's Bapusaheb Shivajirao Geore COE and polytechnic, vidyanagari, Deopur, Dhule-424005, Jan 2011

National Conferences:

1. Tarishi Shualka, Bharati P. Vasgi," Gesture Recognition Using Microsoft Kinect", National Conference on Recent Trends and Advances in Computing, Communication and Security, NCRTACCS-2017, SCOE, Pune, Feb 2017
2. Seema Tribhuvan, Bharati P. Vasgi," Mining of Big Datasets", National Conference on Recent Trends and Advances in Computing, Communication and Security, NCRTACCS-2017, SCOE, Pune, Feb 2017
3. Seema Tribhuvan, Bharati P. Vasgi," Map Reduce Paradigm for Frequent Item sets", iPGCON-2017
4. Purva Chavan, Bharati P. Vasgi," Anonymous User Authentication using Decentralized Key Distribution Architecture", iPGDCON-2016
5. Shivani Gupta, Bharati P. Vasgi," Effective pattern discovery and retrieving relevant document for text mining", Fourth post graduate conference for IT, Mar 15
6. S. M. Jaybhaye, Bharati P. Vasgi," Adaptive execution of scientific workflow applications to improve performance on cloud computing", Innovation 2017, PICT, Pune, pg.no 61-64, Nov 2017
7. Bharati P. Vasgi, S. M. Jaybhaye," Secure sharing of personal health records in outsourced environment", Innovation 2017, PICT, Pune, pg.no 65-67, Nov 2017
8. Sandesh Pare, Bharati P. Vasgi," Personalization of web search", Third post graduate conf. for Information Technology, iPGCON, PICT, Pune, April 2014
9. Bharati P. Vasgi, S. M. Jaybhaye," Challenges and issues in data mining", National symposium on Recent Trends in Information Technology, NSRTIT-2013, MIT academy of Engineering, Pune, pg.no 5-8, Feb 2013

10. Bharati Vasgi, Swati Vijay, Sangita Jaybhaye, "Service oriented architecture: Concepts, characteristics and directions", Recent trends in computer Engineering, SCOE,Pune, Feb 2008
11. Swati Vijay, Bharati Vasgi, Sangita Jaybhaye, "Spreadsheet based framework for 3D visualization of web resources", Recent trends in computer Engineering, SCOE,Pune, Feb 2008
12. Sangita Jaybhaye, Swati Vijay, Bharati Vasgi, "Dynamic SOA using Gateway for home control", Recent trends in computer Engineering, SCOE, Pune, Feb 2008

Personal Information:

Date of Birth : 15 August 1978

Residence : Bella C-20, Aditya's Garden City, Behind RMD Sinhgad Institutes , Warje,
Pune - 411058

Phone : 9850920006, 9850903898

Email ID : bpvasgi.scoe@sinhgad.edu, bharativasgi@gmail.com

Mrs. Bharati P. Vasgi