

## **FACULTY PROFILE**

### **Dr. Ms. Manisha Bharambe**

#### **Vice Principal and Associate Professor**

MES Abasaheb Garware College,

Education: M.Sc Computer Science, M.Phil, Ph.D(Computer Science)

Email: [bharambemg@yahoo.com](mailto:bharambemg@yahoo.com), [manisha.bharambe@mesagc.org](mailto:manisha.bharambe@mesagc.org)

**Work experience: 26+ years at senior college**

#### **Special Achievement:**

- College topper and Topper at Thane District Mumbai University at T.Y. B.Sc.
- **Member of Board Of Studies of Computer Science at SPPU**
- Member of Board Of Studies of B.C.A. Science at Modern College, Shivajinagar.
- Member of Board Of Studies of Computer Science at Fergusson college(Autonomous).
- Received **Best paper award** for paper “Strategic Filter For Noise Removal using graph clustering” at International conference on Recent trends in IT & computer science organized by Thakur college of science, Mumbai on 17<sup>th</sup> -18<sup>th</sup> Dec 2012.
- Received **Best paper award** for paper “offline Mathematical Expression recognition” in 2<sup>nd</sup> National Conference on Recent Trends in Computer Science & Applications and computational Mathematics at Indira college, Pune, held on 20<sup>th</sup> &21<sup>st</sup> December 2013.
- **Ph.D in Computer Science** in the domain “Image processing” at Bharati Vidyapeeth University, Pune.

#### **M.Phil Guide /PG Recognition at SPPU in Computer science.**

#### **Subjects Taught:**

Python programming, Data analytics, System programming, O.S., TCS, Compilers, JAVA, Files & databases, C++, Business Data Processing, Pascal, COBOL, Advance JAVA, Data structure, Formal Language Theory, PPL, Software Project Management, Advance Networking, Management Information System, Digital Image Processing, Soft Computing, Artificial Intelligence, Cloud Computing, Networks and security.

#### **International publications**

1. “*A study on Bit coin and Bockchain*”, Royal Peer Reviewed UGC listed Journal N0. 47037, ISSN-2278-8158, Impact Factor 4.42(SJIF), Volume VI, Issue II, December-2017 to May-2018.
2. “*Segmentation of Offline Printed and Handwritten Mathematical Expressions*” International Journal of Computer Applications (0975 – 8887) National Conference on Digital Image and Signal Processing 2016
3. “*Recognition of Offline Handwritten Mathematical Expressions*”, International Journal of Computer Applications ISSN: 0975–8887, Vol. 108-No. 2 April 2014, **Impact Factor -0.715.**

4. ***“Logical Symbol Recognition using Normalized Chain code and Density Features”***, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3, Issue-12, December 2014, pp: 619-623, **Impact factor-1.76**
5. ***“Strategic Filter For Noise Removal using graph clustering”*** at International conference on Recent trends in IT & computer science,(IJCA) ,ISBN: 973-93-80872-55-9,date: 16<sup>th</sup> &17<sup>th</sup> Dec. 2012.

### **National Publication:**

***“Recognition of Off-line Handwritten Mathematical Expressions based on SVM classifier”***, 2<sup>nd</sup> National Conference on Recent trends on Computer Science and Applications and Computational Mathematics, ISBN: 978-93-83414-29-1 pp: 69-72, December 2013, Indira College of Commerce and Science, Pune.

### **Number of Books Published: 40+**

#### **2019-20**

1. **Book published** titled “ Basics of Information Technology I” for F.Y. B.Com at of distance education for Bharati Vidyapeeth University, ISBN No. 978-93-88794-10-7

2. **Books published**

**F.Y.BCA(Science)**

- **Problem solving and C programming**, Nirali Publications, ISBN No. 978-93-89108-87-5, July 2019, Sem I

**F.Y.BSc Computer Science**

- **Problem solving using computer and ‘C’ programming**, Nirali Publications, ISBN No. 978-93-89406-03-0, July 2019, Sem I
- **Database Management systems**, Nirali Publications, ISBN No. 978-93-89108-99-6, July 2019, Sem I
- **Advance ‘C’ programming**, Nirali Publications, ISBN No. 978-93-89533-95-8, November 2019, Sem II
- **Relational Database Management systems**, Nirali Publications, ISBN No. 978-93-89533-96-5, November 2019, Sem II

**F.Y. B.B.A. (CA)**

- **Database Management systems**, Nirali Publications, ISBN No. 978-93-89108-89-7, July 2019, Sem I
- **Relational Database**, Nirali Publications, ISBN No. 978-93-89686-98-2, January 2020, Sem II

#### **2018-19**

1. **Book published** titled “ Computer Application in Business I” for B.Com-I at School of distance education, Bharati Vidyapeeth university, ISBN No. 978-93-88283-39-7

2. **Books published for T.Y.BCA(Science)**

- **Soft Computing**, Nirali Publications, July 2018
- **Operating Systems**, Nirali Publications, July 2018
- **Java Programming**, Nirali Publications, August 2018
- **Software Quality Assurance**, Nirali Publications, August 2018

- **Python Programming**, Nirali Publications, TYBCA sem VI, January 2019, ISBN No. 978-93-88706-83-4
- **Android programming**, Nirali Publications, TYBCA sem VI, , Feb 2019, ISBN 978-93-88897-20-4
- **Data Analytics**, Nirali Publications, TYBCA sem VI, Feb 2019, ISBN 978-93-88897-37-2
- **Internet of things**, Nirali Publications, TYBCA sem VI,

## **2017-18**

### **SYBCA(Science)**

- Data Structure, Nirali Publications, July 2017
- RDBMS, Nirali Publications, July 2017
- Computer networks, Nirali Publications, July 2017
- C++, ISBN 978-9386700186, Dec 2017
- Grid and cloud computing, ISBN 978-938-768606-9, Dec 2017
- Advance networking and Network security, ISBN 978-938-739749-1, Dec 2017

## **2015-16**

### **T.Y. B.Sc Computer Science**

- System Programming , Nirali Publications, ISBN 978-93-5164-564-1, June 2015
- Theoretical Computer Science, Nirali Publications, ISBN 978-93-5164-566-5, June 2015
- Operating Systems, Nirali Publications, ISBN 978-93-5164-910-6, December 2015
- Compiler Construction, Nirali Publications, ISBN 978-93-5164-915-1, December 2015
- Computer Graphics, Nirali Publications, ISBN 978-93-5164-913-7, December 2015

## **2014-15**

### **S.Y.B.Sc(Computer Science)**

- Relational database management system, Nirali Publications, ISBN 978-93- 5164-026-4, June 2014
- Data Structures using C, Nirali Prakashan, ISBN 978-93-5164-025-7, June 2014
- Object Oriented Concepts using C++, Nirali Prakashan, ISBN 978-93-5164-291-6, November 2014
- Software Engineering, Nirali Prakashan, ISBN 978-93-5164-292-3, November 2014

## **2013-14**

### **M. C.A. management**

- Object Oriented programming with C++ (sem II) ,Nirali Publications(State level) ISBN 978-93-82448-66-2, Jan 2013

### **F.Y. B. Sc (Computer Science)**

- Problem Solving using computers and C programming, Nirali Prakashan, ISBN 978-93-83073-38-2, June 2013
- File organization and fundamental of databases, Nirali Publications, ISBN 978-93-83073-37-5, June 2013

## **2012-13**

### **M. C.A. management**

1. Object Oriented programming with C++ (sem II) ,Nirali Publications(State level) ISBN 978-93-82448-66-2, Jan 2013
2. BBA(CA) RDBMS

2002-2011 : 11 books published for FY, ST, TYBSc Computer Science

## **Professional Achievements:**

- Resource person for the FYBSc Computer Science syllabus workshop held at V.P. college, Baramati on 20th July 2019.
- Resource person for the MSc Computer Science syllabus workshop held at Indira college, Pune on 12<sup>th</sup> Aug 2019.
- Subject expert in Siddhivinayak college for interview of computer science
- Worked as a Academic auditor at abeda Inamdar college in July 2019.
- Chairman to prepare slip booklet of FYBCA science, MSc CA Science (Sem I and Sem II) SPPU in 2019
- Reviewer of Labbook preparation of FYBCA Applied maths
- Appointed as a “Self Learning Material (SLM) Writer” for Computer Application in Business for School of Distance Education at Bharati Vidyapeeth Deemed University in 2019.
- **Guest lecture** on Operating Systems at T. C. College, Baramati on 16<sup>th</sup> February 2019.
- Attended state level workshop on “Advance Business Analytics using R” on 6<sup>th</sup> and 7<sup>th</sup> February 2019 at Modern college of engineering, Pune.
- Invited as a **key note speaker** for two day state level conference on “Emerging Research in Physical Science, Electronics and computer science and Technology” at S. M. Joshi college, Hadapsar, Pune held on 29<sup>th</sup> and 30<sup>th</sup> Oct 2018.
- Worked as **Resource Person** for two day state level seminar on “ Emerging Trends in IT” at Rajmata Jijau Shikshan Prasarak Mandal’s Arts and science college, Bhosari, Pune held on 18<sup>th</sup> and 19<sup>th</sup> January 2019.
- **Guest lecture** on Soft Computing at BJS Arts and Science college, Wagholi, Sept 2018.
- Worked as a **Coordinator** of State level workshop on Internet of Things(IoT), MATLAB, Simulink and Applications held on 12<sup>th</sup> and 13<sup>th</sup> January, 2018 at MES Abasaheb Garware College.
- **Resource person** for TYBCA (science) syllabus restructuring workshop held on 6<sup>th</sup> Jan 2018 at A’Nagar college.
- Presented paper on “A study on Bit Coin and Block Chain” at International Conference at Poona college on 28<sup>th</sup> Feb 2018.
- Resource person for TYBCA(science) syllabus workshop held on 6<sup>th</sup> Jan 2018 at A’Nagar college.
- **Key note speaker** for BCA (Science) lecture series on 5<sup>th</sup> Jan 2018 at Abeda Inamdar College, Pune.
- Subject expert in BBA(CA) by SPPU for selection of the Assistant professor at Institute of Science, Poona, college, Wakad, Dec 2017.
- Guest lecture on Emerging Trends in IT at S.N.D.T. Arts and Science college for Women on 19<sup>th</sup> Aug 2017.
- BOS sub committee member for syllabus restructuring of MSc (CA) and BCA(Sc).
- Practical slip setting member for SYBCA (Sc) on 17<sup>th</sup> July 2017.
- Participated in the Android Developer faculty training from 26<sup>th</sup> Dec 2016-1<sup>st</sup> Jan 2017
- Resource person for one day workshop on detailing of syllabus of SYBCA(science) held on 15<sup>th</sup> Feb 2017 at Modern college.

- Invited as Chief Guest and Resource person for State level workshop on Avenues for research in Computer Science held on 15<sup>th</sup> -16<sup>th</sup> Dec 2016 at Sangamner Nagarpalka Arts , D.J. Malpani, B.N. Sarada Science College, **Sangamner..**
  - Coordinator for Workbook of MCA II (Sc.) at SPPU. Worked as paper setter and examiner for UG and PG level at Bharati Vidyapeeth deemed University.
  - Completed Android developer Fundamentals Faculty development program from 26<sup>th</sup> Dec 2016 to 1<sup>st</sup> Jan 2017 conducted by **Google** at SPPU.
  - Participated in State level hands on workshop on PYTHON conducted at IMCC on **5<sup>th</sup> – 6<sup>th</sup> Jan 2017.**
  - Invited as a guest lecturer at Maharashtra college of science and Jedhe College .
  - Worked as examiner for M.B.A. (IT) exam at Bharati Vidyapeeth deemed University.
  - Worked as a resource person for delivering lectures related with computer Science in many colleges affiliated to Pune University.
  - Completed three refresher courses and one orientation course.
  - Resource person for syllabus restructuring workshop held at Fergusson College on 28<sup>th</sup> March 2015, for subject “Internet Programming”.
  - **Coordinator for practical examination at Pune district for S. Y..B. Sc** Computer Science examination held on October 2014(Backlog) , March 2015 and October 2015.
  - Chairman of T.Y.B.Sc Computer Science paper setting and CAP for March 2016 examination.
  - Chairman of T.Y.B.Sc Computer Science Practical Slip setting Committee for new syllabus in 2015-16.
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