

## Prajakta K.Bhangale

Assistant Professor,  
Electronics and Computer Science, FR CRCE,Mumbai

**Qualification** : Ph.D Computer Engineering(Synopsis submitted) ME (Computer) KJSCE

Sr.No.	Qualification	Percentage	Year of passing
1.	Ph.D Scholar	-----	June 2021
2.	M.E.Computers	66%	2011-2013
3.	B.E. Computers	68%	2003-2007

**Objective** : Willing to work with an Organization with a culture that nurtures talent, develops skills and will help me to optimize my performance and grow professionally.

**Experience** : 15 years of experience as a teaching professional in MUMBAI university.

College Name and University	Experience	Designation	Duration
Fr. Conceicao College of Engineering,Bandra(Mumbai)	10 Years 6 months (Current working College)	Assistant Professor	Since Jul-2014
PVPP,Kurla (Mumbai)	0.5 years	Assistant Professor	Jan2014-Jun 2014
YTIT,Karjat(Mumbai)	0.5 years	Assistant Professor	Jul 2013-Dec 2013
K.J.Somaiya College Of engineering,Vidyavihar(Mumbai)	1.5 years	Lecturer	Jan 2013-May2013 Jul 2010-Jun 2011
Xaviers Institute of Technology, Mahim(Mumbai)	0.5 years	Lecturer	Jul 2012-Dec 2012
Jondhale Polytechnic,Asangaon(Mumbai)	1 year	Lecturer	Aug2009-Jul 2010

### Summary of Skill and Responsibilities:

- Excellent academic records and experience in teaching to computer and IT students.
- Outstanding experience of assisting senior professors and mentoring students.
- Skilled in teaching students with practical examples.
- Communication skills demonstrated through the design of classroom presentations and lectures, creation of detailed written lesson plans & student evaluations, and the ability to establish and maintain

professional relationships

- Completed training in advanced teaching methodologies, instructional design, curriculum development, student engagement strategies, online course design, assessment techniques, and educational technology tools through NITTR.
- Ability to deliver lecture, and hold group conversations on related-topic with students.
- Worked as Syllabus setter, Paper setter for Mumbai University, DJSCOE and FRCRCE Autonomous Institute.
- Using technology in teaching, and publishing study-related materials on college website
- Successfully organized annual Cultural festival of college as co-coordinator for several years. Organized various events to enhance the skills of students.
- Successfully handled E-Cell activities over 4 years as In-charge faculty and Mozilla Club technical Council In-charge for 1 year. Also worked as active member of IIC-FRCRCE.
- Assisted senior professors and as criteria coordinator in preparing curriculum and presentations for the College Board, NAAC /NBA related work.

**Area of Expertise:** System Security, Database Management System, Computer Networks, Artificial Intelligence, Image processing, Big Data Analytics, Blockchain Technology, Python, Java, C, C++,

### **Workshops attended:**

1. One Week FDP on “Exploring Immersive Learning through AR and VR” by CRCE.
2. Completed All Modules of NITTR on NPTEL
3. Two weeks FDP on Innovation Ambassador training (Advance Level) Organized by AICTE
4. One week FDP on “Quantum Computing “Organized by KJSIT,Sion.
5. One week training on Geo-data sharing and Cyber Security” Organized by ISRO
6. One week FDP ON "Data Science" Organized by ATAL,AICTE
7. One week FDP ON " Recent Trends in Artificial Intelligence" Organized by ATAL,AICTE.
  
8. One week FDP on “Faculty Patent Development Program “ Organized by FRCRCE
9. One week FDP on “BLOCKCHAIN & IT’S APPLICATIONS (Phase – II) “ Organized by VESIT,Mumbai
10. One week FDP on “BLOCKCHAIN & IT’S APPLICATIONS (Phase – III) “ Organized by VESIT,Mumbai
11. One month training on Innovation Ambassador training (Foundation Level) conducted by MoE’s Innovation Cell & AICTE during the period
12. One week STTP on”Leveraging Artificial Intelligence and Data Analytics for Healthcare “organized by KJSIEIT
13. One day workshop for “Face recognition application building using python” organized by GUVI (industry).
14. One week STTP on “Data Science” organized by FRCRCE.
15. Two week QIP on “Machine learning tools and applications for engineers” organized by VJTI,Mumbai
16. One week STTP on ”Digital security” organized by K.J.S.C.O.E.,Mumbai
17. One week STTP on “Big data analytics” organized by FRCRCE,IT Dept.,Mumbai
18. One week STTP on “Digital forensic” Organized by FRCRCE Computer Dept.
19. Two day FDP program on “System and network attack laboratory”
20. Two day FDP program on” Intellectual Property Rights”organized by FRCRCE,Mumbai.
21. Two day FDP on”Stress management and Yoga” organized by FRCRCE,Mumbai.

### **Patents/Copyright:**

1. **Title:** “A Novel And Cost-Effective Iot Based System To Control Infant Warmer”  
**Date of Submission:** 03/08/2022 Patent ID: 202022104445.7
2. **Copyright:**  
Copyright on “Geospatial Data Security by using Hybrid Chaotic Map”

Diary No: 23396/2024-CO/SW  
 ROC No: SW-19726/2024  
 Date: 22/11/2024

**Paper Publications:**

S.N	Title	Journal name with year/month/vol.	Scopus
1	DApps For E-Commerce Using Blockchain	Springer Nature (In Press)	Yes
2	Exploring Computational Approaches for Crime Prediction and Analysis: A Comprehensive Study.	Springer Nature (In Press)	Yes
3	Navigating the Intersections of Quantum Computing, DNA-Based Data Storage, and Geospatial Data Security: An Overview	IEEE Explore(In Press)	Yes
4	Enhanced Geospatial Raster Data Protection: Harnessing Chaos Maps and DNA Encryption	IEEE Explore(In Press)	Yes
1	Chaotic Map Based Raster Data Encryption for Geospatial Data	International Journal of Safety and Security Engineering, Vol. 13, No. 6, December, 2023, pp. 1117-1125Journal	Yes
2	Review Helpfulness Prediction using Deep Learning	Computer Integrated Manufacturing System 14-11-2022	Yes
3	The Study on approaches for geo-spatial data security: Review paper	Journal of Algebraic Statistics, Jan 2023	Yes
4	Autonomous timetable system using genetics algorithm	Jan 2022 IEEE XPLORE	Yes
5	“College Lost and Found (Solving real world problem using ML, Image Classification)”	GS Journal Volume8, Issue 5, 2021.	-----
6	Detection and prediction of Osteoporosis using Image Processing Techniques: A Literature Review	JETIR207062/Vol 6/Issue 4/J29	-----
7	Detection and Prediction of Osteoporosis using ANN	Purukala ISSN 0971-2143	-----
8	Image Security Using AES and RNS With Reversible Watermarking	IJISSET - Vol. 4 Issue 5, May 2017 ISSN (Online) 2348 – 7968	4(H index =1)

9	Secured Biometrics Authentication using Visual Cryptography and Transforms”	IJCA Sept2013	2
10	Comparison of Cross Layer Techniques for Wireless Network Security for 802.11	IJCA (0975 – 8887) Oct.2013.	-----
11	Performance Evaluation of Filters of Wavelet Transforms for Biometrics	ICACAT Conference, PVPCOE MUMBAI.	2