

Computer Engineering and Information Technology

Hi!!! My Goal is to work in an exciting and professional environment of an organization with continuous learning, development and growth possibilities.

Summary

Expertise in Cloud Computing, Cyber Security, Digital Forensics, and Performance Evaluation of Systems.
Proven track record in teaching, curriculum development and research with 25+ publications

Name of the faculty	Dr. Varshapriya Nagaraja Jyotinagar	
Designation	Assistant Professor	
Qualification	University of Mumbai (VJTI) <i>Ph.D. in Computer Engineering</i> University of Mumbai (VESIT) <i>M.E. (Electronics & Telecommunication)</i> Dr.BATU,Lonere <i>B.Tech (Electronics & Telecommunication)</i>	
Date of Joining VJTI	10-02-2011	
Glimpse of Profile	• Twenty years of professional working experience with three years in the field of Embedded Systems and Seventeen years in the field of Education. • Presently working with Veermata Jijabai Technological Institute(An Autonomous Institute), Mumbai as an Assistant Professor in the Department of Computer Engineering & Information technology.(2011-Till date) • Worked as Lecturer in Vivekanand Educational Society’s Institute of Technology, Mumbai university.(2009-2011) • Worked with Oriole Electronics Private Limited, Ghatkopar, Mumbai as an R & D Engineer on projects like Hand held terminals, Serial LCD,Talwar Kiosk using C on an IDE.(2008-2009) • Worked with Aztecsoft Technologies Ltd. pune on Embedded Systems & Device Software services as Associate Software Test Engineer.(2006-2008) • Worked with Tata Motors Limited, pune, on project “ECU Simulation for Diagnostics” using Keyword protocol 2000(KWP2000),CAN protocol on Matlab, Simulink, Real Time Workshop,xPC Target platform.(2005-2006). • Worked as Lecturer in Don Bosco Institute of Technology, Mumbai university.(2003-2004) • Worked as a Lecturer in Dr. Babasaheb Ambedkar technological University, Lonere,an Autonomous university(2002). • Certified P G Diploma in Embedded Systems from Electronic Corporation Of India(ECIL- ECIT).	

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Software Skills	<u>CLOUD SOFTWARE</u>: OpenStack, AWS. <u>LANGUAGES</u>: C,C++,Dynamic C and Assembly for 8085/8086/8051, Matlab, Simulink, R language,Python. <u>PROTOCOLS</u> : TCP/IP, KWP 2000,RS232 <u>OS</u>: Windows, Ubuntu. <u>HDL</u> : VHDL, Verilog. <u>RTOS</u> : VxWorks 5.4 <u>IDE</u>: KEIL compiler, Imagecraft compiler(ICC). <u>DESIGN SOFTWARES</u>: Altium, Orcad, Protel.
Area of Research	➤ Cloud Computing & Security ➤ Cyber and Network Security ➤ Information Storage Management ➤ Embedded Systems, Internet of Things ➤ Performance Evaluation of Computer systems & Networks ➤ Big Data Analytics using ML and AI ➤ Image processing ➤ Quantum Computing
Subject Taught	➤ Cyber Security, Network Security, Information Security, Cryptography ➤ Cloud Computing & Security ➤ Internet of Things ➤ Computer Systems Performance Evaluation ➤ Information Storage Management ➤ Performance Evaluation of Computer Systems & Network ➤ Digital Logic Design ➤ Data Communication & Networking ➤ Electronic & Communication Systems ➤ Computer Graphics ➤ Data Mining ➤ Embedded Systems

Publications					
	Journal Publication		Conference Publication		Book Chapters
	International	National	International	National	
	25	-	12	02	-
Research Guidance	(i) BTech Guided: Completed: 30+ groups; Ongoing: 03 Groups (ii) M. Tech Guided: Completed: 50+; Ongoing : 04 (iii) Ph.D Guided.- Completed: 00 , Ongoing : 02				

*Awards Received	Best Teacher Award in Computer Engineering department for 2 Courses (2023-24) Best Teacher Appreciation Award for 3 Courses in Computer Engineering Department(2024-2025) *Based on Student's feedback
Membership of Professional Body/ NGO	Lifetime Member of Indian Society for Technical Education (ISTE)
Training Programmes /Courses/workshops Organized	International Conferences organized: Faculty Coordinator for the International Conference on “Network Infrastructure Management Systems” for 3 years(2011,2013,2014) Faculty Development Programme Organized: Program Coordinator for the TEQIP approved 5 Day Workshop on Cloud Computing in the Department - Organized workshops and seminars while working as a Industry Institute Interaction Program Coordinator and CSI Student Branch Coordinator. Organizing Committee member in Mathematical and Statistical Foundations in Engineering Applications FDP under TEQIP-III Twinning activity, during 02 to 07 June 2020, at VJTI Mumbai, Sponsored by TEQIP-III, Government of India.
STTPs/workshops / conferences Attended	<u>STTPs/workshops attended</u> ➤ Attended Industrial Training on AI, Data Analytics & Cyber Security- A Multidisciplinary Approach organized by National Institute of Electronics & Information Technology, GoI. ➤ Attended One week Faculty Development Program(FDP) on Next Gen in Cyber Security :Trends and Technologies” sponsored by ISEA Project Phase III,COEP, Pune. ➤ Attended Faculty Development Program(FDP) on “Nari Drishti: Nurturing Visionary Women Leaders for Transformation Academia” organized by Maharashtra State Faculty Development Academy(MSFDA),Pune. ➤ Attended Faculty Development Program(FDP) on “Basics of Quantum Programming” organized by various Academies funded by MeitY and endorsed by DST - NQM / AICTE / UGC. ➤ Attended Faculty Development Program(FDP) on “Foundations of Quantum Technologies” organized by various Academies funded by MeitY and endorsed by DST - NQM / AICTE / UGC. ➤ Attended Faculty Development Program(FDP) on “Quantum Computation” organized by various Academies funded by MeitY and endorsed by DST - NQM / AICTE / UGC. ➤ Attended Faculty Development Program(FDP) on “Quantum Communication” organized by various Academies funded by MeitY and endorsed by DST - NQM / AICTE / UGC. ➤ Attended Faculty Development Program(FDP) on “Quantum Sensing” organized by various Academies funded by MeitY and endorsed by DST - NQM / AICTE / UGC. ➤ Attended a full credit course at IIT Bombay under TEQIP on “Principle of Data and System Security”.

- Attended a full **credit course** at **IIT Bombay** under TEQIP on **“Cryptography and Network Security”**.
- Attended a full **credit course** at **IIT Bombay** under TEQIP on **"Performance Evaluation of Computer Systems and Networks"**.
- Attended three day **“MongoDB NoSQL Database”** workshop organized by Computer Society of India.
- Attended a certification course on **“RedHat OpenStack Administration”**
- Attended **“Ethical hacking”** workshop organized by SAKEC and CSI.
- Attended five days TEQIP sponsored workshop on **“Next Generation Software Tools and trends for Industrial solution : current practices”** organized by Govt. College of Engineering ,Aurangabad.
- Attended ten days NPIU TEQIP sponsored workshop on **“Cyber Security”** organized by, IIT Roorkee.
- Attended five days TEQIP sponsored workshop on **”Deep Learning: A Practical Approach”** organized by VJTI.
- Attended five days ISTE sponsored workshop on **“Digital Forensics: Tools, Techniques and Current Trends”** organized by Thadoomal Sahani College of Engineering, Mumbai
- Attended Ten days RUSA Sponsored Skill development programme on **"Analyst Application Security"** organized by UGC-HRDC.
- Attended **Cyber Frauds, Investigations and Forensics Conference** organized by Computer Society of India, Mumbai Chapter at IIT Bombay.
- Attended **“Web Application security”** training at Bangalore organized by SecureLayer7 Technologies Pvt. Ltd.
- Attended a workshop on **"Developing iOS apps with Swift"** organized by Global Initiative of Academic Networks(GIAN) ,VJTI, Mumbai.
- Attended Tendays Program **“Mathematical and Statistical Foundations”** in Engineering Applications under TEQIP.
- Attended FDP Faculty development program on **Useof ICT in Education for Online and Blended Learning** AICTE Sponsored organized by IIT Roorkee.
- Attended **Faculty Internship Program at L &T Infotech, Airoli on Software Project Management.**
- Attended five days TEQIP sponsored FDP on **Advance Pedagogy and Managing Learning Process.**
- Attended FDP on **Teaching Applied Mathematics to Postgraduate Students** in Engineering.
- Attended five days FDP on **Pedagogy Skills Development** under TEQIP.
- Attended five day TEQIP sponsored workshop on **Latex** at COEP .
- Attended five day TEQIP sponsored workshop on **Cloud Computing** organized by VJTI.
- Attended 2 Day workshop on Cloud Computing at SIES and Nasik.
- Attended a certified course on **SAN and Disaster Recovery Solutions** for the Benefit of Teaching Upgradation.
- Attended five day Training program on **“TOGAF” Foundation (Level 1) &**

	(Level 2) organized by CSI, Mumbai. Attended three day INDO-TAIWAN International Workshop on Cloud Computing and its Applications ITCCA-2013 organized by CDAC, Bangalore.
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