Prof. Monica Tushar Khanore

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DESIGNATION: Assistant professor

EDUCATIONAL QUALIFICTION

Qualification	Year	Marks Obtained	College/university
Ph.D in Electronics Engineering	Pursuing	Pursuing	Fr. CRCE, Bandra (W), Mumbai University
M.E.(Electronics)	2013	71.05% I class with distinction	VJTI, Matunga.
B.E.(Electronics)	1993	66.6% I class with distinction	SGGS College of Engineering and Technology, Nanded.

WORK EXPERIENCE

- Working as Assistant Professor in Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai
- Worked as a lecturer in Shri. Bhaubhai Mafatlal Polytechnic, Vile Parle (W), from 26/07/1996 to 08/08/1997
- Worked as a lecturer in Thadomal Shahani College of Engg, Bandra (W), from 20/06/1993 to 20/10/1994
- Worked as a lecturer in Govt Polytechnic, Bandra (W), from 23/11/1993 to 31/05/1994

AREAS OF INTEREST

- Blockchain Technology
- Digital Communication
- Computer Networks
- Engg Electromagnetics

SUBJECTS TAUGHT:

1. Engg Electromagnetics
2. Communication Engg
3. Computer Networks
4. Mobile Communication
5. Wireless Mobile Networks (ME)
6. Advanced Digital Communication (ME)

PUBLICATIONS

Journal papers

1. Khanore, M., & Unnikrishnan, S., "Interference Canceller for Spread Spectrum Modulation Based Multiple Access Systems", *ICTACT International Journal on Communication Technology*, Vol 12, N0. 1, 2231-2239, March 2021.

2. Khanore, M., & Unnikrishnan, S. "Convergence and BER Approximation of HIC Detector for DS-CDMA System in Rayleigh Fading Multipath Environment", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 9(6), 2082–2088.

3. Mrudula Chikhale, Monica Khanore, "RFID Enabled Mobile Billing in Ratail", IJARCCE, Vol.4, Issue 6, pp: 538-541, June 2015, DOI 10.17148/IJARCCE.2015.46116

4. Quanita Sheikh, Monica Khanore, "Implementation Of OFDM In Wireless Communication Systems", IJGJJ, Vol.2, Issue 1, 2013.

5. Swati Mirlekar, Dr. Srija Unnikrishnan, Monica Khanore, "NFC Ticketing Methodology for Non NFC Mobiles", *International Journal of Infinite Innovations in Technology*, ISSN:2278-9057, JIIT, Vol. 2, Issue I, 2013-2014 July, DOI:V2I1P08

Conference papers

1. M. Khanore and S. Unnikrishnan, "Hybrid Interference Cancellation for Static and Non-Static Users in DS-CDMA System", *6th International Conference on Advances in Computing Communication and Control 2019 (ICAC3'19)*, DOI: 10.1109/ICAC347590.2019.9036740, 2020.

2. Khanore, M., & Unnikrishnan, S., "A Simple and Sturdy Hybrid Interference Canceller for DS-CDMA System in Multipath Environment for Static and Mobile Users", *Proceedings of Third International Conference on VLSI, Communication and Signal Processing (VCAS)*, October 2020.

3. Satya Sathvik Kadambari, Gauraang Prabhu, Deep Mistry, Monica Khanore, "Automation of Attendance System Using Facial Recognition", *6th International Conference on Advances in Computing Communication and Control 2019 (ICAC3'19)*, DOI: 10.1109/ICAC347590.2019.9036819

4. Quanita Sheikh, Monica Khanore, "Implementation Of OFDM In Wireless Communication Systems", 2nd *International Conference on Global Technology Initiatives*, Rizvi College of Engg, Bandra(W).

INTERACTION WITH OUTSIDE WORLD

- Paper setting at DJ Sanghvi College of Engineering for subject "Analog and Digital Communication", Second Year Electronics Engg in academic term Jan-April 2022.
- Industrial Visit to Centre for Excellence in Telecom Technology and Management, MTNL, Powai on 20th March, 2018

- PLC Programming Training Session at Festo Controls Office, Vakola during 17th-19th December, 2007
- Industrial visit to MICA Laboratories, CBD Belapur, Navi Mumbai on 2nd March, 2019.
- Industrial visit to SELEC Controls Pvt. Ltd, Mahape, Navi Mumbai on 7th April, 2018.
- Industrial visit to Reliance Jio (4G), Ghansoli, Navi Mumbai on 18th August, 2016

STTPs ATTENDED

- A one-week STTP on Advanced Concepts, Tools & Applications of Blockchain & Securities (online) organized by PVPPCOE, Sion during 4th-9th September, 2022
- A one-week STTP on Sensor, IoT & Machine Learning (online) organized by K. J. Somaiya College of Engineering, Vidyavihar during 1st-5th June 2020
- A two-week STTP on Trends in Optical Networks at SFIT, Borivali during 21st May-01st June, 2007
- An ISTE approved two-week STTP on Broadband Communication: Current Trends and Applications at KJSCE, Vidyavihar during 19th-30th June 2006
- An ISTE approved two-week STTP on Communication Systems at TSEC, Bandra West during 28th June to 9th July, 2004
- A one-week STTP on Recent Trends in Power Electronic Applications at IIT Bombay during 3rd-7th May, 1999

FDPs ATTENDED

- A two-day FDP on NLP using Deep Learning at Fr. CRCE, Bandra (W), on 30th September and 3rd October, 2022.
- FDP on Advances in Internet of Things (online) organized by Fr. CRCE, Bandra during 29th May and 2nd June, 2020
- FDP on Data Science (online) organized by Fr. CRCE, Bandra during 26th – 30th May, 2020
- A two-day FDP on Python Programming: Basics to Advanced at Fr. CRCE, Bandra west on 30th-31st August, 2019
- IETE approved two-day workshop on Wireless Networks at PVPPCOE, Sion, on 18th-19th December, 2015
- A one-week FDP on Advances in Wireless Communication at VJTI, Matunga during 3rd-7th February, 2014
- A two-day workshop on Techniques for Effective Technical Paper Writing at Fr. CRCE, Bandra West on 30th and 31st August, 2013
- A two-day workshop on Electromagnetic Waves and Applications at VJTI, Matunga on 13th and 14th February, 2009
- A Two-day course on Antennas and EM Wave Propagation at Fr. CRCE, Bandra West on 15th-16th February, 2008.
- A two-day course on Microwave Engineering and Technology at Thakur College of Engg and Technology, Kandivali on 21st-22nd July, 2006
- A two-day seminar on Challenges Ahead in Telecommunication at DJSCE, Vile Parle West on 7th and 8th October, 2005
- One-day seminar on Mobile Communication at TSEC, Bandra West on 2nd April, 2004
- One-day seminar on VLSI at Fr. CRCE, Bandra West on 19th April, 2002

ORIENTATION PROGRAMMES ATTENDED/ORGANIZED

Attended

- Subject- Mobile Communication (EXC 8042) at SAKEC, Chembur, held on 13th January 2016
- Subject- Electronic Product Design at SAKEC, Chembur on 25th January, 2011

Organized

- Subject- Engg Electromagnetics (ELX 503) at Fr. CRCE, Bandra West on 12th July, 2018.

DEPARTMENTAL KEY RESPONSIBILITIES

- Member of DQAC Committee (Computer Engg Dept)
- Member of PAC Committee (Electronics/ECS Dept)
- Schedule Preparation at ICAC3,21
- Session Chair at ICAC3'19
- Poster and Brochure Preparation for ICAC3'19
- Judged technical Paper Presentations in Technomania'19
- Coordinator of Convocation Ceremony 2017-18
- Session Chair at ICAC3'17
- Paper Review at ICAC3'17
- Member of Internal Compliance committee in 2016-17
- Member of Internal Compliance committee in 2015-16
- Member of Internal Compliance committee in 2014-15
- Paper Review at ICAC3'15
- Sponsorship-in-charge at ICAC3'15
- Venue arrangement and coordinator of Poster Committee for ICAC3'13
- Treasurer of International Conference ICAC3'11
- Judged IEEE-CRCE event Technomania'09
- Food arrangements for International Conference ICAC3'09
- IEEE-WIE-in-charge in 2013-14

CONTRIBUTORY EFFORTS

- Coordinator for an FDP on Python-Basics to Advanced on 30-31 August, 2019.
- Coordinator for Two-day Workshop on Emerging Technologies in Communication Networks on 26-27 August, 2011
- Coordinator for Two-day Workshop on Challenges in Electronic Product Design on 18-19 March, 2011

PROJECTS GUIDED

Sr. No.	Project Title
2021-22	
1	Automatic Biowaste Segregation and Management
2	Workplace/class Attendance system using image recognition
2020-21	
1	Smart Energy Meter Reading Using IoT
2	Reading Eye for The Blind People
3	Smart Shoe for Visually Impaired People
2019-20	
1	Automatic Attendance System using Face Recognition
2	Augmented Reality based Maps for Tourism
2018-19	
1	Bluetooth Controlled Rescue Buoy
2017-18	
1	Wireless Robotic Hand using Flex sensor

MEMBERSHIP OF SOCIETIES

- ISTE Membership: LM36435

University Approval: UG – CONCOL/SA/ICD/2012-13/1530 Dated 17th August 2013.