

Mrs.Kranti Kiran Wagle

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Fr.Conceicao Rodrigues College Of Engineering

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Date of joining the present institute: 19/07/2004

Educational Qualifications

	Title of the Degree	Academic Year	Duration	University/ Institute	Class
1	Pursuing Phd in Computer Engineering	2022-2023	4 years	Parul University Vadodra,Gujarat	-
2	M.E "Embedded and Real Time Systems"	2010-2012	2 years	Anna University, PSG College of Technology Coimbatore	First Class with Distinction 9.21 CGPA
3	BE ELECTRICAL	1996-2000	4 years	Goa Engineering College ,GOA University	First Class with distinction
4	Diploma in VLSI Design	2000-2001	1 year	Silicon Magic Tech,Pune	Distinction
4	HSC(Science)	1996	2 years	Smt.Parvatibai Chowgule College,GOA BOARD	Distinction

ACHIEVEMENTS/AWARDS:

1. **Topper in (TOP 5%) NPTEL Certification Program in the Subject “Data Analytics with Python”,APRIL 2022**
2. **Topper in (TOP 1%) NPTEL Certification Program in the Subject “Real time Operating Systems”,MARCH 2019**
3. **TOPPER(9.21 CGPA) in M.E(EMBEDDED and REAL TIME SYSTEMS) at PSG TECH COIMBATORE, TAMIL NADU**
4. **Won the Award under Most Innovative Solution for the Project Titled Autonomous Shopping Robot at the e-yantra Symposium held on April 11th ,12th 2016 at IIT Bombay**
5. **Participated in e-Yantra Robotics Teacher Competition -2013 and successfully demonstrated “Random Maze Solver” (Level 1),Organized by IIT –Bombay, ERTS lab**

Domain expertise and areas of interest :Embedded Systems, IoT, Digital System Design, Computer Organization.

Details of subjects taught:

S.No.	Name of subject	Year and branch
1.	Embedded Systems and RTOS	TE ELECTRONICS ENGINEERING
2.	Microprocessor and Microcontrollers	TE ELECTRONICS ENGINEERING
3.	Computer Organization and Architecture	SE COMPUTER ENGINEERING,TE ELECTRONICS
4.	Digital System Design	TE ELECTRONICS ENGINEERING, SE COMPUTER ENGINEERING
5.	IoT	BE ELECTRONICS ENGINEERING, TE COMPUTER ENGINEERING
6.	Data Warehousing and Mining	TE COMPUTER ENGINEERING

Workshops/Refresher courses/Training programs/Seminars attended:

Program Details	Academic Year	Participant / Resource Person	Duration (2 weeks/ 1 week/days)	Supporting Documents
1 2 Day Workshop on EMI/EMC ISSUES IN ELECTRONIC SYSTEMS”	Jan 28 th – Jan 29 th 2005	Participant	2 days	Certificate

2	2 week STTP on "Embedded System Development and Advanced	May 5 th – May 16 th ,2008	Participant	2 weeks	Certificate
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	Microcontrollers”				
3	1 Week SSTP on “Digital Image Processing with Matlab Sessions”	23 rd -27 th June,2008	Participant	1 week	Certificate
4	2 day seminar on “NANOTECHNOLOGY”	11 th Sept- 12 th Sept	Participant	2 days	Certificate
5	2 week STTP on“Applications of Software Tools in Electronics and Telecommunications”	17 th Nov - 28 th Nov 2008	Participant	2 weeks	Certificate
6	1 week STTP on “Embedded Systems & Real Time Applications”	4 th Jan -8 th Jan 2010	Participant	1 week	Certificate
7	2 week STTP on “Humanities & Basic Science The Four Pillars of Engineering”	19 th Nov - 30 th Nov 2012	Participant	2 week	Certificate
8	2 day work shop on “Introduction To Robotics”	1 st Dec 1 and 2 nd Dec 2012	Participant	2 days	Certificate
9	One day Workshop on “ARM mbed Platform”		Participant	1 day	Certificate
10	One day Workshop “Robotics System Design and GUI Development ”	22 nd June 2015.	Participant	1 day	Certificate
11	One day Workshop “ARM Cortex (M0, M3), opensource tools and Real-Time	4 th July 2015	Participant	1 day	Certificate

	Operating Systems (RTOS)				
12	2 day work shop on “Remote Learning Technologies”	5 th and 6 th Feb 2016	Participant	2 days	Certificate
13	1 week STTP on “Internet of Things”	27 th June - 1 st July 2016	Participant	One week	Certificate
14	Design for Internet of Things, NPTEL	Jul-Sept 2017	Participant	8 weeks	Certificate
15	Introduction to Internet of Things, NPTEL	Jul-Oct 2018	Participant	12 weeks	Certificate
16	Real Time Operating Systems, NPTEL	Feb – March 2019	Participant	4 weeks	Certificate
17	Joy of Computing with Python, NPTEL	Jul-Oct 2019	Participant	12 weeks	Certificate
18	Internet of Things, DMCOE	Jan 2020	Participant	1 week	Certificate
19	Data Analytics with Python Python	Jul-Oct 2021	Participant	12 weeks	Certificate 90% TOPPER
20	ATAL FDP on “Data Analysis using Econometric Models”	7 th Feb 2022-12 th Feb 2022	Participant	1 week	Certificate
21	ATAL FDP on “Green Technology and Sustainability”	21 st Feb 2022-25 th Feb 2022	Participant	1 week	Certificate
22	IoT with Edge ML	Feb 2023- april 2023	Participant	8 weeks	Certificate 86%

❑ **Workshops/Refresher courses/Training programs/Seminars conducted as a resourceperson:**

1. Invited to conduct one day session on “Real Time Operating systems” MicroC-OSII on 4th July 2018 at St. Xaviers Institute of Technology ,Mahim.

❑ **Membership of professional bodies:**

ISTE Member

▪ **Publications:**

- Tanisha Harry Braganza; Fatima Felix Pereira; Sameeksha Pravin Rane; Kranti Wagle, "Multipurpose Application for the Visually Impaired", 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), 26-28 August 2022
- Kranti Wagle, Himanshu Alwe, "Stroke Awareness ChatBot Assistant with stroke Risk Prediction using Demographic Data", Springer Nature Switzerland AG 2022

Publication Details				
Sl. No.	Publication Title	Publication Author	Year	Journal / Conference Name
1	Review of SLAM Algorithms for Indoor Mobile Robot with LIDAR and RGB-D Camera Technology	CHINMAY KOLHATKAR, KRANTI WAGLE	2021	International Conference on Electrical and Electronics Engineering (ICEEE 2020) https://doi.org/10.1007/978-981-15-4692-1_30 Springer Nature Singapore Pte Ltd. 2021
2	A Survey on Scheduling in Heterogeneous Distributed Systems for Higher Reliability	SONIA FERNANDES, KRANTI WAGLE	2017	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 887
3	Analysis of Features Affecting the Time Predictability	TANUSHREE BHILARE, KRANTI WAGLE	2016	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 10, October 2016 ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 887
4	FPGA based RF Signal Generation for MRI Systems	Aditi S Deshpande, Imran Sheikh, Kranti Wagle	2018	Proceedings of the Second International Conference on Computing Methodologies and Communication (ICCMC 2018) IEEE Conference Record # 42656; IEEE Xplore ISBN: 978-1-5386-3452-3
5	RF Signal Generation for MRI System using PS-PL Communication in FPGA over Ethernet	Aditi S Deshpande, Imran Sheikh, Kranti Wagle	2018	2018 Fourth International Conference on Computing Communication Control and Automation (ICCCBEA)