

Name : Kranti K. Wagle					
1. Field of Expertise					
S r. N o.	Field	Supporting Documents			
	1	Embedded Systems ,RTOS	Completed M.E in Embedded and Real Time Systems		
	1	Embedded Systems Networks	M.E project on CAN Bus application		
	2	Microprocessor and Microcontrollers	e—yantra pilot phase 1 successfully completed organized by IIT Bombay, guided UG projects.		
3	Digital System Design, HDL Languages.	6 months course on VLSI Design, Taught the Subject 3 times			
2. Participant / Resource Person in Training Program					
	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 Microcontrollers”	May 5 th – May 16 th ,2008	Participant	2 weeks	Certificate
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 Operating Systems (RTOS)	4 th July 2015	Participant	1 day	Certificate
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	Participant	One week	Certificate
14	NPTEL course on Design For IoT	July –Oct 2017	Participant	8 weeks	Certificate
15	Introduction for IoT	July-Oct 2018	Participant	12 weeks	Certificate

16	Real Time Operating Systems	Jan –April 2019	Participant	4 weeks	Certificate
17	Resource Person at XIE ,Mahim for the STTP Topic :Real Time Operating Systems. STTP on Internet of Things with Arduino and Raspberry Pi at St. Xavier Insitute of Technology .	5th July 2018	Resource Person	One Day	Appreciation Letter
3. Research Publications					
Publication Details		Academic Year	Co – author	Supporting Documents	
1	“Use of Controller Area Network Bus and Wireless Communication Technology To Improve Driving Safety”,International Conference on Electrical and Electronics Engineering ICEEE-2012 ,IOAJ	22 nd April 2012	Author	Certificate	
2	“Controller Area Network Based on Board Diagnostic (OBD)System “ National Conference on Advances in VLSI and Embedded Systems ,atRamakrishna Engineering College ,Coimbatore.	1 st March -2 nd March 2012	Author	Certificate	
3	“Localization and Tracking of IndoorMobile Robots using Beacon and dead Reckoning Sensors”,Published in IEEE Student Conference.	2014	Author	Paper copy	
4	Tanushree Bhilare,Kranti Wagle“Evaluation of Time Predictability in Hybrid Cache Locking using Relative Standard Deviation of CPI” 2016 INTERNATIONAL CONFERENCE ON TELECOMMUNICATION POWER ANALYSIS AND COMPUTING	2017	Co-Author		

	TECHNIQUES – 2017			
5	Aditi Deshpande, Kranti K. Wagle “FPGA based RF Signal Generation for MRI Systems” Proceedings of the Second International Conference on Computing Methodologies and Communication (ICCMC 2018) IEEE Conference Record # 42656	2018	Co-Author	
6	Sonia Fernandes, Kranti K. Wagle ‘A Survey on Scheduling in Heterogeneous Distributed Systems for Higher Reliability’ International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering DOI:10.15662/IJAREEIE.2017.0611003 ISSN (Print) : 2320 – 3765	2018	Co-Author	
7	Tanushree Bhilare, Kranti Wagle ‘Analysis of Features Affecting the Time Predictability’, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering DOI:10.15662/IJAREEIE.2016.0510046 ISSN (Print) : 2320 – 3765	2017	Co-Author	
8	Aditi Deshpande, Kranti K. Wagle “RF Signal Generation for MRI System using PS-PL Communication in FPGA over Ethernet” 2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA) 978-1-5386-5257-2/18/\$31.00 ©20XX IEEE	2018	Co-Author	
4. Intellectual Property				
Details		Academic Year	Supporting Documents	
1				
5. Funded R & D Projects and Consultancies				
Details		Academic Year	Supporting	

				Documents		
-	-	-	-	-	-	
6. Interaction with outside world						
Details		Academic Year		Supporting Documents		
-	-	-	-	-	-	
-	-	-	-	-	-	
7.a. Contributory Efforts (developing course/laboratory modules, etc)						
Details		Academic Year	Administrative Role	Supporting Documents		
1	Digital System Design	2012-2013	Lab modules			
2	Microprocessor and Peripherals	2013-2014	Lab modules			
3	Microcomputer System Design	2014-2015	Lab modules			
7.b. Contributory Efforts (conducting short-term courses/workshops, etc)						
Details		Academic Year	Duration (2 weeks/ 1 week/days)	Resource persons	Target audience	Supporting Documents
1	Organized and conducted 2 day Workshop on System Modeling Simulation August 24 th August 25 th ,2012	2012-2013	2 days	1.Dr. Anjali Deshpande (VIT) 2. Dr. S.K.Surve (Fr. CRCE) 3.Dr. MadhuBelur (IITB) 4. Prof.VenkateshChinde (VJTI) 5. Prof. Dileep Chandra(Fr.CRC	Faculty from Engineering colleges, Research Scholars and Industry person	Report

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2	Organized and conducted 2 day Seminar on “Antennas and EM Wave Propagation”	15 th and 16 th Feb 2008	2 days		Faculty from Engineering colleges, Research Scholars and Industry personnel	Appreciation Letter
3.	Organized FE Career Orientation Program	15 th Feb 2016	4 Hours	Prof Chaitanya Seth	FE Students	Report, Attendance Sheet Documents

8. Enhancement of Qualification

	Title of the Degree	Academic Year	Duration	University/Institute	Supporting Documents
1	M.E “Embedded and Real Time Systems”	2010-2012	2 years	Anna University, PSG College of Technology	Degree Certificate
2	Diploma in VLSI Design	2000-2001	1 year	Silicon Magic Tech	Certificate

9. Membership in Societies/professional bodies

	Name of Society	Year of	Support
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		Joining	ing
			Docume
			nts
1	ISTE	2007	Certific
			ate
2	IEEE	2013	Membe
		AUGUST till	rship
		Date	copy

10. Subjects taught

1	Academic Year	Subject	Theory		Practical	
			Class	Hours/we ek	Class	Hours /week
2	2012-2013 ODD	Microprocessor and Microcontrollers 1	T.E (ELEX)	4	-	-
3	2012-2013 ODD	DLDA	-	-	S.E (COMP)	4
4	2012-2013 EVEN	RTOS	M.E (ELEX)	4	M.E (ELEX)	4
5	2012-2013 EVEN	Embedded Systems	-	-	B.E (ELEX)	4
6	2013-2014 ODD	Microprocessor and Microcontrollers 1	T.E (ELEX)	4	T.E (ELEX)	4
7	2013-2014 ODD	Digital System Design	-	-	S.E(ELE X)	4
8	2013-2014 ODD	Microcomputer System Design	-	-	B.E(ELE X)	2
9	2013-2014	RTOS	M.E	4	M.E	4

	EVEN		(ELEX)		(ELEX)	
10	2013-2014 EVEN	Embedded Systems	-	-	B.E (ELEX)	4
11	2013-2014 ODD	Microprocessor and Peripherals	S.E (ELEX)	2	S.E (ELEX)	4
12	2014-2015 ODD	Microcomputer System Design	B.E(EL EX)	4	B.E (ELEX)	2
13	2014-2015 ODD	Embedded Systems	M.E(E LEX)	4	M.E(ELE X)	4
14	2014-2015 ODD	Mini Project 1	T.E ELEX	-	T.E(ELE X)	4
15	2014-2015 EVEN	RTOS	M.E(E LEX)	4	LABIV	3
16	2014-2015 EVEN	COA	S.E COMP S	4	S.E COMPS	6
17	2015-2016 ODD	Embedded Systems	M.E(E LEX)	4		
18	2015-2016 ODD	Mini Project 1	T.E (ELEX)	8		
19.	2015-2016 EVEN	COA	S.E COMP S	4	S.E COMPS	6
20	2015-2016 EVEN	RTOS	M.E(E LEX)	4	LAB IV	3
21	2016-2017 ODD	EMBEDDED SYSTEM DESIGN	B.E (ELEX	4	B.E (ELEX)	8

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2	2016-2017	MES			T.E(IT)	4
2	ODD					
11. Projects guided						
	Academic Year	UG/PG	Title			
1	2012-2013	UG	Centralised Irrigation Management			
2	2012-2013	UG	Assistance for the blind in a Supermarket			
3	2013-2014	UG	Surveillance Robot-Localization			
4	2013-2014	UG	Surveillance Robot Tracking			
5	2014-2015	UG	E-Restaurant			
6	2014-2015	UG	Tracking Spy Robot using ARM 7 Processor			
7.	2015-2016	UG	Automatic Human Detection and Wireless video transmission			
8	2015-2016	PG	Analysis of Architectural Time Predictabilty in Real Time Systems			
12. Any other responsibilities/achievements						
	Details				Academic Year	Support ing Docume nts
1	Judge at Technical Paper Presentation in Technomania, Organized by IEE-CRCE.				2012-2013	Invitati on Letter ,Thank You Letter
2	Branch Counsellor of IEEE-CRCE				2013-2014	Branch Report
3	Branch Counsellor of IEEE-CRCE				2014-2015	Branch

			Report
4.	Branch Counsellor of IEEE-CRCE	2015-2016	Branch Report
5	Mentor of Project Cell	2015-2016	Report
6	Mentor of Project Cell	2016-2017	Report
7	Branch Counsellor of IEEE-CRCE	2016-2017	Branch Report
8	ICAC3'13	2012-2013	Appreciation letter
9.	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	April-2016	Certificate of Merit
10	Participated in e-Yantra Robotics Teacher Competition - 2013 and successfully demonstrated “Random Maze Solver” (Level 1), Organized by IIT –Bombay, ERTS lab	12th March 2013	Certificate
11	Organized Project Exhibition and workshop Techno Trigger 2K15 on 3rd Oct 2015 at Ismael Yusuf College	3rd Oct 2015	Report /Photographs
12	Selected for Regional Finals for the Project”Crop Management using IoT” e-yantra IIT Bomabay	Feb 2018	
13	Selected for Regional Finals for the Project”Stroke Prediction using AI” e-yantra IIT Bomabay	Feb 2019	