

	Name	Mrs. Amruta Bajirao Patil			
	Designation	Assistant professor			
	Department	E&TC engineering			
	Qualification	M.Tech. (Electronics & VLSI)			
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	Experience	Teaching : 10	...Years	Industry :	...Years

Area Of Interest	Embedded systems			
Publications	International Journal (s):	11	National Journals (s) :	-
	International Conference (s):	-	National Conference:	03
Publication Details	<p>1.Amruta Patil,Prof. R.M.Khaire, “Establishment of evaluation metric and quality analysis of enamel coating thickness and thermal resistivity of copper wire using arm7 processor” International Journal of Application or Innovation in Engineering & Management (IJAIEEM),Volume 3, Issue 1, January 2014, ISSN 2319 – 4847</p> <p>2.Amruta Patil,Prof. R.M.Khaire,” Automatic Resistance detection and Abrasion testing of copper wire used in transformer or motor windings by ARM 7 processor”, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 3, Issue 2, March – April 2014, ISSN 2278-6856</p> <p>3.Amruta Patil, Mistry Tapasvee, Shah Khantil, Himanshu Parashar,”Radio frequency indentification based wireless attendance system” , Volume 2, Issue 3, March 2014, ISSN 2302-2084</p> <p>4.Amruta Patil, Shalvi Patel, Mayank Monga, MuKul Pandey, “GPS based friend tracker and online /offline SMART reminder for android systems” , Volume 2, Issue 3, March 2014, ISSN 2302-2084</p> <p>5.Mrs.A.B.Patil,Mrudul Ramesh, Himanshu Mishra, Govin Kumar,”automated railway track crossing and monitoring system using atmega 16 microcontroller”, International journal of enhanced research in science technology & engineering, Volume 5, Issue 3,March 2016,ISSN 2319-7463</p> <p>6.Prof. Amruta Patil Siddharth Ojha, Akshay Kapoor, “Soil Moisture and Sunlight Monitoring-Controlling using Raspberry Pi for Greenhouse” international journal of innovative trends in engineering (ijite) issn: 2395-2946 issue: 43, volume 27, number 01, 2017</p> <p>7.Amruta B. Patil, Pawan kumar, Sachin, Pawan Kumar “Microstrip patch antenna for wifi application”, International Journal of Industrial Electronics and Electrical Engineering,2018, ISSN(p): 2347-6982, volume 6,issue 3, March2018</p> <p>8.A.B.Patil, Anshuman Kumar, DemitruS Cletus, Diptanshu Pathak, “Smart parking management system”, International Journal of Industrial Electronics and Electrical Engineering,2018, ISSN(p): 2347-6982, volume 6,issue 3,March2018</p>			

	<p>9.Prof.A.B. Patil Abhishek Sachan, Kushal Khanna, Shobhit Srivastava, Priority Based Traffic Signal System using Google Maps, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE), ISSN: 2348 – 8549,volume 7,issue 1, pp. 20-24,Jan2020</p> <p>10.Kaushal Puri, Devasheesh Tripathi, Yashvi Sudan, Prof. A.B Patil, ‘Feature Extraction Technique for Emotion Detection using Machine Learning, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) -2020/6’, ISSN: 2348 – 8549,Volume 7,Issue5, pp. 41-46,May2020</p> <p>11.Singh, G., Srivastva, S., Gupta, G., & Patil, A. B., “Arduino Uno based Smart Cane for Osteoarthritis patients”, International Journal of Scientific Research and Engineering Development, ISSN : 2581-7175, volume 3, issue 2,pp. 1150-1155,May2020</p>
Books Published	1.Nil
Professional Memberships	1.Nil
WorkShop/ Seminar/Conference attended	<p>1.Workshop attended -NI LABVIEW, Good Teaching Practices & challenges, Workshop on Cloud Computing, Embedded System design, Women Empowerment, Raspberry Pi .</p> <p>2.Conference - A National Conference on “Advance Technologies for Secured Communication using 4G and LTE (ATSC-2014)” ,</p> <p>3.1st International Conference on Emerging Trends in Electronics and Communication Engineering on April 2-3, 2015</p> <p>4.Machine Learning Techniques Using Matlab FDP-18/5/2018</p> <p>5.Problem based Learning FDP-25/6/2018</p> <p>6.Software Testing FDP(NPTEL)-Jan/March 2020</p> <p>7.Attended the India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD’s Innovation Cell,</p> <p>8.Virtual reality webinar 14/5/2020</p> <p>9.Online Quiz on “ VLSI DESIGN & TECHNOLOGY ” Organized by Department of Electronics & Telecommunication, Dr. Vithalrao Vikhe Patil college of Engineering, Ahmednagar on 5/23/2020,</p> <p>10.Webinar on Advanced Digital Content Creation Tools and Techniques for education by E&TC dept of AISSMS COE,Pune on 31/5/2020,</p> <p>11. Webinar Outcome based education software on 4/6/2020</p> <p>12. Online quiz on world environment day on 5/5/2020</p> <p>13.Online MIC course from 28/5/2020 to 20/6/2020</p>
Achievements	<p>1.Won 1st Prize in paper presentation, in National conference “Advance Technologies for Secured Communication using 4G & LTE”” at BVDUCOE, Pune - 5 Feb 2014</p> <p>2.Secured Elite grade in NPTEL Course Introduction to Internet on things in Jul/Oct 2019</p> <p>3.Secured Elite+Silver grade in NPTEL course Roadmap of Patent Engineering in March 2021</p>
Extra Activities	Purchase Co-ordinator (of Department), EPST Co-ordinator (of Department), Member of central Women Cell committee, Member of central Admission committee, Lab In-charge of NT-AEC, Guardian Faculty Member, FDP & Purchase Department Record, NBA Point 5 Preparation

