

**Rayat Shikshan Sanstha's Yashvantrao Chavan Institute of Science, Satara  
(Autonomous Institute)**

**Faculty Profile**

- Name : Mr. J. A.Wagh
- Department : Electronics
- EducationalQualification : M.Sc.,  
M.Phil.(Electronics)
- Experience : UG -32Years



- Title ofM.Phil Thesis : Study and Development of some Active-R  
Filter Configuration
- Name of the guide and Institution/University: Guide: Dr. S. H. Chavan  
University: Shivaji University, Kolhapur
- Year of declaration of M.Phil : 1995
- Recognized as M.Phil/Ph.D guide : -
- (Recognition LetterNumber)
- Whether availedFDP/Fellowship/Scholarship:
- Additional Qualification(ifany)
- **Registration for Ph.D**

Title	Date of registration	Name of the guide and Institution	University	Current Status
Fault detection of electronic circuits: A transform based approach	1 July 2013	Guide: Dr. P.P. Shah Devchand College, Arjunnagar Co-Guide: Dr. R. R. Mudholkar Shivaji university, kolhapur	Shivaji university, kolhapur	Ongoing

• **Details of Publications ( Journals/Books/Proceedings):**

Year	Details(Title,Name of Journal /publisher,Volume,Issue,Year,Page no	Impact factor	ISSN/ISBN Number	National/ International
2011-12	1) “FPGA Based home Automation System”, J. A. Wagh, S.K.Shinde, A. J. Pawar, Proceedings of NCAVDT-2011, pp 21-23, Akuj. 2) “Simulation of three phasewound rotor induction motor drive using PSIM”, D. A. Kulkarni, J. A. Wagh, V. S. Patil, M. D. Uplane, Proceedings of NCAVDT-2011, pp 73-77, Akuj		ISSN 2229-5836	National
2013-14	“Application of Wavelet Transform and its Advantages Compared to Fourier Transform in Biomedical Signal Processing in Matlab Domain”, J.A. Wagh, S. K. Shinde, R. R. Mudholkar Proceeding of ICIASP-2013, pp 22-25, Karad.		ISBN 978-81-8487-359-7.	
2014-15	1. “Wavelet Transform Based echniques for Fault Detection of Power Supply Unit”, J. A. Wagh, S. K. Shinde, S. R. Pol, R. R. Mudholkar, P. P. Shah, IJEE Volume-6, Number-1 Jan-June 2014 pp.47-50.		ISSN: 0973-7383	
	2. Fault Detection and Analysis of Power Supply Circuit for Energy Conservation: A Transform Approach 198 J. A. Wagh, S. K. Shinde, R. R. Mudholkar, P. P. Shah, Proceeding of MAGEC-2014, pp 198-202, Satara.		ISBN 978-81-928732-2-0	
	Online Temperature Monitoring System Design and Implementation for Environmental study using VB.NET and ASP.NET 71 R.P.Waghamare, N.S.Gaikwad , J.A.Wagh, Proceeding of MAGEC-2014,pp 71-73, Satara.			
	Virtual Driver Trainer Assistance System using VB.NET 74 Waghamare R.P., Nanaware R. A., Wagh A.J., Pawar A.J.			
	Detection and transmission of ecg signal overwireless network S.V.Mane, A.J.Pawar,J.A. Wagh, Proceeding of MAGEC-2014, pp 74-76,Satara.			

	“MATLAB Based LED Matrix Scrolling Display Powered by Solar Energy”, S. R. Pol, P. M. Kalekar, A. J. Wagh, R. A. Nanaware, V. S. Kale, proceeding of MAGEC-2014, pp 63-67, Satara.			
2020-21	Applicative Aspects of Piezoelectric Sensors for Power Generation S. S. Barkade*, G. S. Nhivekar, J. A. Wagh and B. T. Jadhav JECET; September 2020- November 2020; Sec. C; Vol.9. No.4, 663-667.	-	E-ISSN: 2278-179X	International
	Fuzzy Logic Based Contactless Risk Dedication and Prevention System to prevent COVID-19 Suspect at Entrance Ganesh Nhivekar*, Sunil Barkade, Jarichandra Wagh, Bharat Jadhav International Journal of Advanced Engineering Research and Science (IJAERS) Vol-8, Issue-1; Jan-Feb, 2021	-	ISSN: 2349-6495(P)   2456-1908(O)	International

• **Presentations/Attendance in Conference/seminar/symposium**

Year	Title of paper	Name of Conference/ seminar/symposium with date	Organiser	State/Natl/ International	Type of participation	
					Presented	attended
2011-12	1. FPGA Based home Automation System 2. Simulation of three phase wound rotor induction motor drive using PSIM	Advances in VLSI Design and Technology. 19-20 <sup>th</sup> December 2011.	SMM, Akluj.	National	Presented	attended

2012-13	1. Fault detection of Electronic Circuit using wavelet transform”, J.A.Wagh, S. K. Shinde, R. R. Mudholkar, NCET-2012, Kolhapur. 2. “Distance learning: information security aspect”, R.P.Waghmare, A.J. Pawar, J.A. Wagh, NCET-2012, Kolhapur.	NCET-2012, Kolhapur 27-28 Dec. 2012	DOT, Shivaji University, Kolhapur	National	Presented	attended
	3. “Embedded system for intelligent vehicle on .NET platform”, R.P. Waghmare, J.A. Wagh, RAET-2012, Pandharpur. 4. “Advantages of Wavelet transform over Fourier transform”, J. A. Wagh, A. J. Pawar, S. K. Shinde, R.R.Mudholkar, RAET-2012, Pandharpur. 5. “Fault diagram in electronic Circuit using certifiable Neural Network”, A. J. Pawar, J. A. Wagh, S. K. Shinde RAET-2012, Pandharpur	RAET-2012, Pandharpur 21-22 Dec. 2012	KBP College, Pandharpur	State	Presented	attended

2013-14	1. Application of Wavelet Transform and its Advantages Compared to Fourier Transform in Biomedical Signal Processing in Matlab Domain	ICIAS P-Karad 25-27 Nov. 2013	DACOE, Karad.	International	Presented	attended
	2. Fault Diagnosis in Analog Electronic Circuits: Wavelet Approach	LATEST-2014 February 14-15	Shivaji University, Kolhapur	National	Presented	
2014-15	Fault Detection and Analysis of Power Supply Circuit for Energy Conservation: A Transform Approach	MAGEC-2014 Sep. 29-30	YCIS, Satara.	National	presented	

2020-21	Technology Based Crop Protection System S. R. Sable <sup>1*</sup> , M. K. Kshirsagar <sup>1</sup> , P. S. Kadam <sup>1</sup> , <b>J. A. Wagh<sup>1</sup></b>	International conference on Emerging Trends and Challenges in Electronics and computing (ETEC-2021)	Department of Electronics Yashavantrao Chavan Institute of Science, Satara	International	presented	Attended
	An alarm system for effective and gentle brushing method to avoid the mouth problems Kavita Gadekar, ShaileshJangam, Nikhil Gogawale, <b>J.A.Wagh</b>	International conference on Emerging Trends and Challenges in Electronics and computing (ETEC-2021)	Department of Electronics Yashavantrao Chavan Institute of Science, Satara	International	presented	Attended

• **Research Awards:**

Year	Poster Presentation		Oral Presentation		Best Paper	Young scientist	Any other (fellowship)
	Title	Conference	Title	Conference			
2012-13	Embedded System for intelligent Vehicle	RDET-2012 Pandharpur	-	-	Best Paper	-	-

• **Participation in curriculum development:**

Year	Role in curriculum design (BOS member, chairman, class etc)	Participation in draft syllabus workshop	
		Resource person	participant
2011-12	-		Participant
2019-20	BOS Chairman in Electronics	Resource person	Participant
2020-21	BOS Chairman in Electronics	Resource person	Participant

- **Memberships**

Year	Role in Institute administration (committee member/ chairman)		Role in Rayat Shikshan Sanstha's administration	Membership of senate/Management council/DRC/LIC/Any other	Membership of professional bodies/NGO's
	Institute	Department			
2011-12	Chairman, Internet Facility Centre	Head and Co-ordinator	Chairman, Score board and Timer, Karmveer Quiz	-	
2012-13	Chairman, Internet Facility Centre	Head and Co-ordinator	Chairman, Score board and Timer, Karmveer Quiz		
2013-14	Chairman, Internet Facility Centre	Head and Co-ordinator	Chairman, Score board and Timer, Karmveer Quiz		Life Member SPEED
2014-15	Chairman, Internet Facility Centre	Head and Co-ordinator	Chairman, Score board and Timer, Karmveer Quiz		Life Member SPEED
2019-20	Chairman, IIC	Head and Co-ordinator			
2020-21	Chairman, IIC	Head and Co-ordinator			

- **Participation in University examination(Details)**

Year	Paper setter	Examiner/Moderator	Sr.Supervisor	Squad member	CAP director
2010-11	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor	-	-
2011-12	B.Sc.III(Ele)	Examiner and Moderator	Sr. Supervisor	-	-
2012-13	B.Sc.III(Ele)	Examiner and Moderator	Sr. Supervisor	-	-
2013-14	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor	-	-
2014-15	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor	-	-
2015-16	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		
2016-17	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		
2017-18	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		
2018-19	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		
2019-20	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		
2020-21	B.Sc.III (Ele)	Examiner and Moderator	Sr. Supervisor		

- **Co-curricularactivities**

Year	Type of participation Resource person/Judge/Chief guest etc	Name of activity	Organiser	Date
2011-12	Resource Person	Lead College	SPM, Lonand	
2012-13	Resource Person	Lead College	SPM,Lonand	

- **Innovative teaching methods used**

(PPT/Films/OHP/Games/Podcasting/POGIL/Mobile/emails): **YES**

- **Extension Activities(Donation to relief funds, service tomankind:**

- **Awards and Honors:**

- **Any other relevant information you would like to add:**