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Sinhgad Technical Education Society's

Sinhgad College of Engineering

Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Prof. Rakesh Bapu Dhumale **BE ENTC** rbdhumale.scoe@sinhgad.edu

Significant Achievement

→ AVISHKAR-2013 Winner of University Level Research Competition

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
BE Electronics	Tatyasaheb Kore Institute of Engineering and Technology	Shivaji university	2006	71.76%	Distiction	Completed
M.TECH.	Department of Technology,Shi vaji University,Kolh apur.	Shivaji university	2010	76.25%	-	Completed
PhD	Sinhgad College of Engineering, Pune.	Savitribai phule pune university	-	-	-	Pursuing

Conference Details

Name	Venue	Date	Level	Category	Туре	Sponsored By
Innovation 2013	RSCOE,Pune.	18 Apr 2013 to 18 Apr 2013	National	Research		University of Pune.
National Conference on Pervasing Computing- 2010	Sinhgad college of Engineering,Pu ne	10 Oct 2010	National	Research		Sinhgad college of Engineering,Pu ne
National Conference on Pervasing Computing- 2010	Sinhgad college of Engineering,Pu ne	10 Oct 2010	National	Research		Sinhgad college of Engineering,Pu ne

Emerging Technologies for Sustainable Developments	Shivaji University,Kolh apur	27 Dec 2012 to 28 Dec 2012	National	Research	Shivaji University,Kolh apur.
National Conference on Pervasive Computing	Sinhgad College of engineering,Pu ne,	15 Mar 2013 to 16 Mar 2013	National	Research	AICTE, New Delhi.

Research Projects

Project name	Description	Status	Budget	Prject type
Life cycle monitoring of DC link Electrolytic Capacitor in Power Converter by using Fuzzy Neural Network		80	130000	Sponsored Projects
Phase Voltage Source Inverter using discrete	detected using wavelet transform and	In Process	300000	Others

Consultancy Details

Title	Description	Agency	Percentage Completion	Amount Sanctioned	Amount Received
Packaging Machine	phase servos	Nichrome India Ltd. Shrimal, Gat no. 769b, At Post Wing, Tal. Khandala, Dist. Satara	100	00	00

Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Confe rence Name	Level	Paper Status	Authors
NA	Life Cycle Monitoring of DC Link Electrolytic Capacitor in Power Converter: A Review	2012	National Conference in Emerging Technology	Conference - National level	Accepted and Published	Rakesh Dhumale
p-ISSN: 2321- 7308	OPEN SWITCH FAULT DIAGNOSIS IN THREE PHASE INVERTER USING DIAGNOSTIC VARIABLE METHOD	2013	IJRET- InternationalJo urnal of Research in Engineering and Technology	Journal - International level	Accepted and Published	Rakesh Dhumale
	Fault detection and Diagnosis of Three Phase Voltage Source Inverter		Avishkar-2013	Other	Accepted and Published	Rakesh Dhumale
2319-1163	Electrolytic Capacitor Online Failure Detection and Life Prediction Methodology	2015	Int. J. Research in Engg. And Techn., vol.4, Iss. 2, pp.636- 641, Feb. 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale

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2319-7064	Online Failure Prediction of the Aluminum Electrolytic Capacitor	2015	Int. J. Science and Research, vol.4, Iss. 6, pp.2099-2102, June . 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale
2319-1163	Fault Detection and Diagnosis of High Speed Switching Devices in Power Converter	2015	", Int. J. Research in Engg. And Techn., vol.4, Iss. 2, pp.636- 641, Feb. 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale
2319-2690	Method of Open Switch Fault Detection in Three Phase Inverter using Artificial Neural Network	2014	Int. J. Research in Science and Advance Technology, Vol. 3, Iss. 3, PP 78-82, June 2014.	Journal - International level	Accepted and Published	Rakesh Dhumale
2227-5870	Fault Detection and Diagnosis Technique gor Power Inverter using Discrete Wavelet Transform	2014	Int. J. Electronics Circuits and systems, Vol. 3, Iss. 2, pp 174-178, June 2014	Journal - International level	Accepted and Published	Rakesh Dhumale
2392-2019	DC-DC Converter for Solar Energy Harvesting using PID Controller	2015	Int. J. Engineering Applications and Technology, Vol. 1, Iss. 13, pp 132-136, July 2105.	Journal - International level	Accepted and Published	Rakesh Dhumale
2319-1163	DC-DC Converter using Fuzzy Logic Controller	2015	", Int. J. Research in Engg. and Techn., vol.4, Iss.07, pp.490- 696, July. 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale
2319-1163	DC-DC Converter using Fuzzy Logic Controller	2015	", Int. Research J. in Engg. And Techn.,	Journal - International level	Accepted and Published	Rakesh Dhumale
2319-1163	Android Application for S-Park System	2015	Int. J. Research in Engg. And Techn., vol.4, Iss. 2, pp.636- 641, Oct. 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale
1875-8967	Diagnosis of multiple open switch faults in three phase voltage source inverter	2016	Journal of Intelligent and Fuzzy Systems, vol. 30, iss. 4, pp- 2055-2065	Refereed and Indexed Journal	Accepted and Published	Rakesh Dhumale
263-224	Neural Network Fault Diagnosis of Voltage Source Inverter under Variable Load Conditions at Different Frequencies	2016	Measurement, vol. 91, pp- 565?575, Sept. 2016.	Refereed and Indexed Journal	Accepted and Published	Rakesh Dhumale
2278-943x	Dual Band Fractal Antenna	2015	International Journal of Electrical and Electronics Engineering Research (IJEEER), Vol. 5, Iss. 6; pp 11- 18, Dec. 2015.	Journal - International level	Accepted and Published	Rakesh Dhumale

978-1-4673- 7758-4	Real Time Remaining Useful Life Prediction of the Electrolytic Capacitor	2015	IEEE International Conference on Information Processing (ICIP), Vishwakarma Institute of Technology, Pune, pp. 631-636	Conference- International level	Accepted and Published	Rakesh Dhumale
2320-9569	Condition Monitoring of Voltage Source Inverter	2015	2nd International Conference on Research Trends in Electronics and Telecommunic ation (IRTET, IRET, Anakapalli, Visakhapatnam Andhra Pradesh, India,	Conference- International level	Accepted and Published	Rakesh Dhumale
	Compact Fractal Antenna	2016	", First international conference on Recent Trends in Computing, Communication and Science (ICRTCCS), International Institute of Information Technology, Rajiv Gandhi InfoTech Park, Phase-I, Hinjawadi, Pune	Conference- International level	Accepted and Published	Rakesh Dhumale
	Comparative Study of Fault Diagnostic Methods in Voltage Source Inverter Fed Three Phase Induction Motor Drive	2016	Proc. In International Conference On Frontiers In Mechanical And Automobile Engineering FAME-2016, pp.19, 7th-9th July 2016	Conference- International level	Accepted and Published	
	Comparative Study of Fault Diagnostic Methods in Voltage Source Inverter Fed Three Phase Induction Motor Drive	2016	Proc. In International	Conference- International level	Accepted and Published	Rakesh Dhumale
	Life Cycle Monitoring of Electrolytic Capacitor in Power converter using Fuzzy Neural Network	2015	in Proc. Savitribai Phule Pune University, BCUD, Regional Research Conference for University and College Teachers Innovation- 2015, 1st July 2015, pp-20.	Other	Accepted and Published	Rakesh Dhumale

Post Held

Organization Name		Organization Category	Appointment Status	Duration
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Dnyanganga College of Engineering and Research, Pune-53.	Narhe	private institute	Full Time/Permanent	Jun 01,2008 to Jul 19,2010
Sinhgad College of Engineering, Pune-41.	Vadgaon.	private institute	Full Time/Permanent	Jul 20,2010 to

Self Contribution

Organizational Development Contribution(NaN-NaN)								
Date	Venue	Contribution	Category					
13,Dec - 17,Dec	Sinhgad Technical Education Society (STES) , Narhe Campus, Pune	Worked in Transportation Committee	Organizing committee member					
16,Dec - 17,Dec	Sinhagad College of Engineering, Pune.	Worked in Different organisisng committee	Organizing committee member					
25,Jan - 25,Jan	STES Erandawana	Transportation Committee Member	Transportation Committee in STES's University Selection Interview					

Academic Development Contribution(2011-2012)							
Date	Venue	Contribution	Category				
16,Dec - 17,Dec	Sinhgad College of Engineering, Pune.	Worked in different committees for Avishkar 2011.	Organizing committee member				

Academic Development Contribution(2010-2011)			
Date	Venue	Contribution	Category
15,Jul - 17,Jul	Sinhgad College of Engineering, Pune.	Transportation Committee Member in INNOVATION 2010.	Organizing committee member
09,Jun - 13,Jul	Sinhgad College of Engineering, Pune.	Worked in scrutiny, supervision, data entry and paper checking for M.E. entrance test.	Organizing committee member
10,Feb - 12,Jul	Sinhgad College of Engineering, Pune.	Worked for Excelsior.	Organizing committee member

Institutional Development Contribution(2011-2012)				
Date	Venue	Contribution	Category	
10,Mar - 12,Mar	Gadhinglaj,Kolhpur.	Companying at College of Engineering, Pune and Gadhinglaj (Kolhapur) organized by "Sakal".	Organizing committee member	
	Sinhgad College of Engineering, Pune.	Working as First Year subject (Basic Electronics Engineering) Coordinator since last three semesters (Appreciated by Principal and FE Coordinator).	Subject Coordinator	

Institutional Development Contribution(2012-2013)				
Date	Venue	Contribution	Category	
01,Jul - 30,Apr	Sinhgad College of Engineering, Pune.	Working as First Year subject (Basic Electronics Engineering) Coordinator since last three semesters (Appreciated by Principal and FE Coordinator).	Subject Coordinator	
01,Jul - 30,Jun	Sinhgad College of Engineering, Pune.	Purchase Committee Member.	Member of Committee	

Institutional Development Contribution(2012-2013)				
Date Venue Contribution Category				
	Sinhgad College of engineering, Pune.	Test Coordinator	Coordination	

Institutional Development Contribution(2010-2011)				
Date Venue Contribution Category				
10,Feb - 12,Feb	Sinhgad College of Engineering, Pune.	Test Coordinator	Coordination	

Institutional Development Contribution(2010-2011)				
Date	Venue	Contribution	Category	
	Sinhgad College of Engineering, Pune.	Worked for Excelsior	commitee member	

Self Growth(2008-2009)				
Date	Venue	Contribution	Category	
20,Feb - 20,Feb	Shivaji University, Kolhapur.	UGC sponsored NET workshop organized by Electronics Department, Shivaji University, Kolhapur. Subject: Network Analysis dated on 20/02/2009.	Guest Lecture	

Academic Development Contribution(2010-2011)			
Date	Venue	Contribution	Category

Institutional Development Contribution(2010-2011)			
Date	Venue	Contribution	Category

Student Development Contribution(2010-2011)				
Date	Venue	Contribution	Category	
01,Jul - 30,Jun	Sinhgad College of Engineering, Pune.	Teacher Guardian	Teacher Guardian	

Student Development Contribution(2008-2009)				
Date	Date Venue Contribution Category			

Student Development Contribution(2008-2009)			
Date	Venue	Contribution	Category

Self Growth(2009-2010)			
Date	Venue	Contribution	Category
24,Jan	Shivaji University, Kolhapur.	UGC sponsored NET workshop organized by Electronics Department, Shivaji University, Kolhapur. Subject: Network Analysis dated on 20/02/2009.	Guest Lecture

Self Growth(2010-2011)				
Date	Venue	Contribution	Category	
14,Apr - 15,Apr	Shivaji University, Kolhapur.	Attended National Conference.	Attendee	

Self Growth(2011-2012)			
Date	Venue	Contribution	Category
11,Jan	Shivaji University, Kolhapur.	UGC sponsored NET workshop organized by Electronics Department, Shivaji University, Kolhapur. Subject: Power Electronics II dated 11/01/2012.	Guest Lecture

Self Growth(2012-2013)				
Date	Venue	Contribution	Category	
14,Apr	Shivaji University, Kolhapur.	UGC sponsored NET workshop organized by Electronics Department, Shivaji University, Kolhapur. Subject: Power electronics dated on 14/04/2013.	Guest Lecture	
13,Feb	Sinhgad College of Science, Pune	Sinhgad College of Science, Pune, Subject Genetic Algorithm, Dated 13/02/2013.	Guest Lecture	

24,Jan	Sinhgad College of Science, Pune	Judge at "Poster Competition" in PROELEX- 13, Sinhgad College of Science, Pune, Dated 24/01/2013.	Judge
06,May	Shivaji University, Kolhapur.	External Examiner at Shivaji University, Kolhapur. Subject: Power electronics dated on 06/05/2013 for M.Sc. Part I.	External examiner

Institutional Development Contribution(2013-2014)			
Date	Venue	Contribution	Category
11,Feb - 23,Oct	PICT,Pune	As external examiner University Exam	External Supervisor
31,Oct - 31,Oct	MITCOE,Pune	External Examiner	Examiner
16,Mar - 16,Mar	SCOE,Pune.	Supervision in Online exam	Exam Supervision
15,Oct - 18,Oct	SCOE,Pune	LIC data preparation and coordination at departmental level	Co-ordination

Student Development Contribution(2013-2014)			
Date	Venue	Contribution	Category
04,Feb - 06,Feb	SCOE,Pune	Event Coordinator for Componenet quest TECHTONIC-2104	Coordination

Self Growth(2015-2016)			
Date	Venue	Contribution	Category
31,Oct - 31,Oct	Sinhgad College of Science, Pune	Lecture on Subject Advanced Soft Computing	Guest Lecture
20,Mar - 20,Mar	National Conference on Research, Design and Development in Engineering, Management anRajgad Dnyanpeeth Technical Campus, Dhangawadi, Pune.	Session Chair	Session comittee
20,May - 20,May	Shivaji University, Kolhapur	Paper Assessment work	Paper Checker

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date:13-Oct-2016 Prof. Rakesh Dhumale