

Electrical Engineering Department

PhD Completed between 2011-2017

S N	Supervisor	Year	Student Name	Thesis Title	Co-Supervisor
1	B S Umare	2014-15	Altaf Qurban Hussain Badar	Study of Optimization Techniques for Reducing Active Power Loss	Mrs. A S Junghare
2	B S Umare	2016-17	Koteswara Raju Dhenukonda	Study and Design of Controller to Mitigate Subsynchronous Resonance	Mrs. A S Junghare
3	H M Suryawanshi	2012-13	Udaykumar V Patil	Hybrid Control of Multilevel Inverter fed Induction Motor Drive	
4	H M Suryawanshi	2014-15	Rashmi A Keshwani	Identification of switch faults in Multilevel Inverter using Wavelet	
5	H M Suryawanshi	2016-17	Shelas Sathyan	Soft Switched High Voltage Gain DC/DC Converters for Distributed Generation	
6	M K Khedkar	2015-16	Shrikant D Naik	Some Aspects of Voltage Stability Problems In Multi-Bus Power System	S. S. Bhat
7	M R Ramteke	2015-16	Snehal P Gawande	Some Studies in Power Quality Improvement on Distribution System using DSTATCOM	
8	M V Aware	2011-12	Vasudeo B Virulkar	Mitigation of Voltage Flicker in Distribution System using DSTATCOM with Energy Storage System	
9	M V Aware	2012-13	Shubhada M Deshmukh	Stability Studies of V/F Controlled Induction Motor Drive	
10	M V Aware	2016-17	Mahesh Hemshankar Pandya	Capacity Augmentation and Efficiency Improvement of Three-Phase Distribution Lines through Distributed Energy Resources	
11	M V Aware	2016-17	Yogesh Narayanrao Tatte	Improved Direct Torque Control of Five- Phase Induction Motor	
12	Mrs. A S Junghare	2015-16	Jyoti S Bhonsle	Placement of Phasor Measurement Units in Constrained Grid : Various Approaches	
13	Mrs. M A Chaudhari	2016-17	Amrendra Matsa	An Improved Synchronous Vector Control of Multi-Level Inverter for AC Grid Applications	

14	Mrs. M A Chaudhari	2016-17	Chetan B. Khadse	Online Power Quality Assessment Based on Scaled Conjugate Gradient Backpropagation Algorithm	V B Borghate
15	Mrs. Nita Patne	2016-17	Arvind Ramnarayan Singh	Protection Schemes for STATCOM Compensated Transmission Line	V S Kale
16	P S Kulkarni	2015-16	Ashutosh Werulkar	Analysis Of Standalone Solar Home Lighting System and Residential Pv System with Charge Controller and Dc-Dc Converters	
17	S R Bhide	2011-12	Prashant P Bedekar	Some Studies in Application of Optimization and Artificial Intelligence Techniques to Power System Protection	
18	S S Bhat	2016-17	Sunil P Nangrani	Some Studies on Chaos Driven Instabilities and Their Control in Electrical Power Systems	
19	V B Borghate	2014-15	Ahmed Irfan M.F.	Simplified Space Vector Modulation Techniques for Cascaded H-Bridge Multilevel Inverters	
20	V B Borghate	2014-15	Prafullachandra M Meshram	Improved Capacitor Voltage Balancing Methods for Modular Multilevel Converter (MMC) in VSC-HVDC Applications	
21	V B Borghate	2016-17	Rajshri Jeetendra Satputaley	Some Techniques to Improve Power Quality Using Five Level TCHB Based DVR	
22	V B Borghate	2016-17	K. Raghavendra Reddy	Multilevel Inverter Topologies with Reduced Component Count for Renewable Energy Applications	
23	V S Kale	2016-17	Mohan Purushottam Thakre	Some Studies on Effect of Compensation Devices on Distance Protection of Transmission Line	
24	M S Ballal	2016-17	Prasad Arvind Venikar	Condition Monitoring Techniques for the Diagnosis of Incipient Faults in Transformer	B S Umare

PhD Ongoing

Sr No	Student Name	Supervisor
1	GODASE REVATI GOVIND	S S Bhat
2	AGARALA AJAYSEKHAR REDDY	S S Bhat
3	JIBHAKATE CHAITANYA NAMDEORAO	M A Chaudhari
4	MANISH S TRIVEDI	R K Keshri
5	SIDHARTH SABYASACHI	V B Borghate
6	KUSHAL ARUN KANHAV	
7	PRACHI ABHIJIT SALODKAR (Submitted)	P S Kulkarni
8	SONALI CHETAN RANGARI	MMS
9	GAURAV GOYAL	M V Aware
10	WANKHEDE DINESH SURYAKANT	M V Aware
11	BHUSHAN YOGINATH BAGDE	B S Umare
12	VIJAYA AMBADAS HUCHCHE	A S Junghare +R R P
13	MANOJ BECHOOPRASAD MAURYA	P S Kulkarni
14	SNEHAL PRAVIN PACHPOR	H M Suryawanshi
15	SANJEEV SHARAD GOKHALE	V S Kale
16	PIYUSH SHRIKRISHNA PATIL	M R Ramteke
17	SHITOLE AMARDEEP BALASAHEB	H M Suryawanshi
18	KHUBALKAR SWAPNIL WAMAN	A S Junghare + M V Aware
19	PRAKASH DWIVEDI	Anjali Junghare
20	NARESH KUMAR REDDI	M R Ramteke + H M Suryawanshi
21	SUPRIYA O JAISWAL	M S Ballal
22	GIRISH GOWD TALAPUR	H M Suryawanshi
23	SUNIL MANIKLAL MUTHA	B S Umare
24	AMIT RAMCHANDRA KULKARNI	M S Ballal
25	MANISH GANESHRAO WATH	M S Ballal
26	ISHAN SRIVASTAVA	S S Bhat
27	BHOWATE APEKSHIT RAHUL	M V Aware
28	SANDEEP PANDEY	A S Junghare
29	SANDHYA LAVETY	Keshari
30	MADDUGARI SANTOSH KUMAR	V B Borghate
31	BUSIREDDY HEMANTH KUMAR	M Lokhande

32	JADHAV ASHOK MOHAN	N A Patne
33	NAGABALLI SRINIVAS	V S Kale
34	ROHIT RAJKUMAR DESHMUKH	M S Ballal
35	SOHIT SHARMA	M V Aware
36	SEEMA ASHISHAN TOPNO	AS JUNGHARE+BS UMARE
37	VAKA RAVIKIRAN	Keshri + M A Chaudhari
38	VIJAYA VARDHAN REDDY PICHAPATI	H M Suryawanshi
39	DURGESH KUMAR BANCHHOR	Ashwin Dhabale
40	NITIN KUMAR KULKARNI	M K Khedkar
41	KOTESWARA RAO KOTHAPALLI	M R Ramteke
42	SAKETI SAI KRISHNA	Chaturvedi
43	MUTHYALA UPENDER REDDY	Ashwin Dhabale
44	SIBASISH PANDA	R K Keshari
45	KETHAVATH RAGHAVENDRA NAIK	B Rajpathak
46	ANURAG KHERGADE	R Satputaley
47	DHARMENDRA DEONATH YADEO	P CHATURVEDI

Sponsored R & D Projects Completed

Sponsored Research Projects <u>approved</u> to VNIT							
	Project Name	Co-ordinator	Dept.	Sponsoring Agency	Project Value	Sanction date	Duration (years)
1	Development of contactless energy exchange system by autonomous electric vehicles	R.Keshari	EEE	DST(SERB)	42,34,561	29/1/2017	3yrs
2	Reliable and efficient system for community energy solutions	H M Suryawanshi	EEE	DST(RCUK)	122928.00	2014	3years
3	Development of efficient converter for grid integration	H M Suryawanshi	EEE	DST	59.5	2015	3years
4	Development of test bench for performing various test of distributed transformers	M S Ballal	EEE	High rise Transformers, Nagpur	10.4	2015-17	2years

Sponsored R & D Projects Ongoing

Sr No.	F Y	Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned Order no. & Date	Total Amt of Project (In Lakhs Rs.)	Amt received in 2016-17(in words)
1	2016-17	H. M. Suryawanshi	DST+EPSRC (UK)	Reliable and Efficient System for Community Energy Solutions (RESCUES), Consortium Project*	DST/RCUK/SEGES/2012/04 9/30/2014	9	Nine Lakhs
2	2016-17	H. M. Suryawanshi, M S Ballal	DST (SERI) Solar Oriented Fundamental Research (SOFR)	Development of Efficient converter for Grid Integration	DST/TM/SERI/R/104/(G) 6/15/2015	10	Ten Lakhs
3	2016-17	M S Ballal, H. M. Suryawanshi	High Rise Transformer, Nagpur	Development of Test Bench for performing various test of Transformer	HRT/NGP/GEN/Project/1617 2/5/2016	10	Ten Lakh
4	2016-17	M S Ballal, H. M. Suryawanshi	Huphen ElectromechPvt. Ltd. Nasik, Maharashtra, India	Development of industrial product regarding the improvement in the accuracy class of Industrial Metering system especially in Current Transformer	KE/NK/Project/144 5/18/2015	1.25	One Lakh Twenty Five Thousand
5	2017	R Keshari	Development of Contractless energy exchange system by autonomous electric vehicles	DST (SERB)	NA 29.01.2017	42.34	

Research Publications as under SCOPUS

- [Dr. A S Dhabale](#)
- [Dr. Mrs. Anjali S Junghare](#)
- [Dr. B S Umare](#)
- [Dr. H M Suryawanshi](#)
- [Dr. M M Lokhande](#)
- [Dr. M R Ramteke](#)
- [Dr. M V Aware](#)
- [Dr. Mrs. Madhuri A Chaudhari](#)
- [Dr. P S Kulkarni](#)
- [Dr. Pradyumn Chaturvedi](#)
- [Dr. Ritesh Kumar Keshri](#)
- [Dr. S S Bhat](#)
- [Dr. V B Borghate](#)
- [Dr. V S Kale](#)