



ANANDITA CHOWDHURY

Professor

**Electrical Engineering Department
S. V. National Institute of Technology
Ichchhanath, Surat-395007, Gujarat.**

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Date of Joining: 1st January, 1998

Qualifications:

Ph.D. (Electrical Engineering), IIT, Kharagpur

M.E. (Electrical Engineering), University of Calcutta (Bengal Engineering College, Presently IEST, Shibpur)

B.E. (Electrical Engineering), University of Calcutta (Bengal Engineering College, Presently IEST, Shibpur)

Areas of Interest:

Electrical Machines and Drives, Power system stability, Renewable Energy Sources

Subjects Taught:

UG

: Eletrotechniques, Electrical Machines I, Electrical Machines II, Special Electrical Machines, Electrical Machine Design

PG: Modelling of Electrical Machines and DC drives, Renewable Energy sources, Power system dynamics and control

Sponsored Project:

National Mission Project on Education Through ICT , Developing suitable pedagogical methods for various classes, intellectual calibers and research in e- learning” sponsored by “Ministry of Human Resource Development, Government of India” (1.10.2013 to 31.3.2015)

Publication details : <https://scholar.google.co.in/citations?user=JwyRw0cX-RkC&hl=en>

Some of the Publications in Journals :

Sr. No.	Journal Papers
1.	Deepak M. Sonje, P. Kundu and A. Chowdhury, A Novel Approach for Sensitive Inter-turn Fault Detection in Induction Motor Under Various Operating Conditions, Arabian Journal for Science and Engineering, March 2019
2.	Development of energy efficient, cost-optimized transformer with low partial discharges, Dhruvesh Mehta, Prasanta Kundu, Anandita Chowdhury, Modelling, Measurement and Control A, Vol.91, no 2, June 2018, pp 59-65
3.	H.S. Pandya and A. Chowdhury, Short Term Scheduling of Rural Residential Electricity Demand by A Smart Micro Grid , International Journal of Control Theory and Applications Volume : No.10 (2017) Issue No. :6 (2017)Pages : 435-448
4.	Deepak M. Sonje, P. Kundu and A. Chowdhury, Intelligent approach for multiple bearing fault detection in three phase induction motor using random forest algorithm, Accepted in Journal of Interdisciplinary and multidisciplinary research., 2017
5.	H.S. Pandya and A. Chowdhury Optimum scheduling based on price responsive analysis of the residential microgrid, International journal of Engineering, Science and Technology, Vol. 9 No. 6, June, 2017.
6.	Preclusion of partial discharge from transformer insulation - a design perspective, Dhruvesh Mehta, Prasanta Kundu, Anandita Chowdhury and Lakhiani V K., The Journal of CPRI, Vol. 13, No.2, June 2017
7.	Deepak M. Sonje, P. Kundu and A. Chowdhury, Extended version A Novel Approach for Multi Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest Classifier, IOP, Materials Science and Engineering, 2017
8.	Deepak M. Sonje, P. Kundu and A. Chowdhury, An Innovative Approach for Multiple Faults Detection in Induction Motor Using Statistical Time Measures and Random Forest Classifier, International Journal of Control Theory and Applications Volume : No.10 (2017), Issue No. :6 (2017) Pages : 317-325
9.	Dhruvesh M Mehta, P Kundu, A Chowdhury, VK Lakhiani, AS Jhala A review of critical evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers: Part II, IEEE Transactions on Dielectrics and Electrical Insulation, Vol.23, Issue 3, Pages 1705-1712, 2016
10.	Dhruvesh M Mehta, P Kundu, A Chowdhury, VK Lakhiani, AS Jhala A review of critical evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers: Part I, IEEE Transactions on Dielectrics and Electrical Insulation, Vol.23, Issue 2, Pages 873-880, 2016
11.	M. A. Mulla, C. Rajagopalan, A. Chowdhury, and N. Rao, "An experimental assessments on different control techniques of series hybrid active power filter," International Transactions on Electrical Energy Systems, vol. 25, pp. 3075-3095, 2015.

12.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "A novel control method for series hybrid active power filter working under unbalanced supply conditions," International Journal of Electrical Power & Energy Systems, vol. 64, pp. 328-339, 2015.
13.	M. A. Mulla, C. Rajagopalan, and A. Chowdhury, "Compensation of three-phase diode rectifier with capacitive filter working under unbalanced supply conditions using series hybrid active power filter," IET Power Electronics, vol. 7, pp. 1566-1577, 2014.
14.	Hitesh R. Jariwala, Anandita Chowdhury, "Design and Performance Analysis of Genetic based PID-PSS with SVC in a Multi-machine System Considering Detailed Model", ACEEE journal on Electrical and Power Engineering, volume 5, 2014.
15.	M. A. Mulla, C. Rajagopalan, and A. Chowdhury, "Hardware implementation of series hybrid active power filter using a novel control strategy based on generalised instantaneous power theory," IET Power Electronics, vol. 6, pp. 592-600, 2013.

Some of the Publications in Conferences:

Sr. No.	Detail of Conference Papers
1.	Dhrupa Patel, Anandita Chowdhury, Power Loss Reduction and Voltage Regulation in Loop Distribution Lines Using Sen Transformer [Paper Code: ENGG078]" Elsevier (SSRN /Materials Today) 4 th International conference IAET-2020 organized by School of Engineering and Technology, Jaipur National University, Feb 21-22, 2020.
2.	Anandita Chowdhury, Vasundhara Mahajan, Urvashi Kaushal, Namrata Jariwala, Soumya Mudgal, Women, Society and Development, TEQIP III sponsored International Conference " Gender Equity : Challenges and Opportunities" 19-20 December, 2019, SVNIT, Surat, ISBN: 978-93-5396-182-4
3.	Ramanjaneyulu Alla and Anandita Chowdhury, Model Predictive Controller for Improved Hybrid Three Quasi Z source Inverter for DG Applications, 2018 IEEE International Conference , PEDES, Dec.18-21, 2018
4.	Ramanjaneyulu Alla and Anandita Chowdhury, An Implanted Hybrid Three Quasi Z source Inverter for Photovoltaic Power Generation Applications, IEEE conference, SCEECS '18, NIT, Bhopal, Feb. 24-25, 2018
5.	Dhrupa Patel, Anandita Chowdhury, Dynamic control and performance of a Sen Transformer for stabilizing an AC transmission system and improved voltage profile, IEEE conference, ICPECTS, 2018, Sri Sai Ram Engineering College, West Tambaram, Chennai, Feb.22-23, 2018
6.	Pravin Borkar, Anandita Chowdhury, Analysis of Quasi Y source inverter with maximum boost control Technique, NPEC 2017, COEP Pune
7.	Nidhi J Gohil, Prasanta Kundu, Anandita Chowdhury, Partial Discharge Source Localization using UHF Sensors, CATCON 2017, Pg 212-215
8.	Deepak M. Sonje, P. Kundu, A. Chowdhury, A Novel Approach for Multi Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest Classifier, International Conference on Advanced Material Technologies (ICAMT)-2016, 27th and 28th December 2016

9.	Himanshu Sharma Dr. Anandita Chowdhury Sumit Bagade , A Comparison Study of Z-Source inverter and Y Source inverter Topologies with Different Types of controlling Techniques,ICPEICES, DTU, IEEE conference, July,4-6,2016
10.	Suraj Ankush Dahat,Dr. Anandita Chowdhury ,Dr. Prasanta Kundu,G Santosh Kumar Viranchi, Mitigation of Voltage Fluctuation in The Transmission Line by using SEN Transformer, ICPEICES, DTU, IEEE conference, July,4-6,2016
11.	Deepak M.Sonje, , Prasanta Kundu,Anandita Chowdhury, Detection and discrimination of simultaneous stator inter-turn and broken rotor bar faults in induction motor, 2015 International Conference on Condition Assessment Techniques in Electrical Systems (CATCON) 10-12 Dec., 2015
12.	Dhruvesh Mehta, Prasanta Kundu, Anandita Chowdhury, DGA diagnostics save transformers - case studies, 2015 International Conference on Condition Assessment Techniques in Electrical Systems (CATCON), 10-12 Dec., 2015
13.	Hemang S. Pandya, Dr.Anandita Chowdhury, Daivik M. Pandeji, Rohini K. Iyer, Prarthana M.Purohit, Digital protection strategy of microgrid with relay time grading using particle swarm optimization 5th Nirma University International Conference on Engineering NUiCONE, 26-28 th Nov,2015
14.	Dhruvesh Mehta, Prasanta Kundu, Anandita Chowdhury, Indian Transformer Industry gearing up for Next-gen Green Liquids, 5th Nirma University International Conference on Engineering NUiCONE, 26-28 th Nov,2015
15.	Dhruvesh M. Mehta, Prasanta Kundu , Anandita Chowdhury, Extending the Power Transmission Capability to 765 kV through emerging EHV/UHV Transformers, 9th International Conference On Industrial And Information Systems (ICIIS), Gwalior, India,2014, 15-17 December, 2014
16.	Jyoti P. Shah, Anandita Chowdhury, Design Of Power System Stabilizers Using Particle Swarm Optimization", IEEE conference on Computation of Power, Energy, Information and Communication(ICCPEIC-2014,AEC,Melamaruvathur, Tamilnadu, pp. 153-158, 16-17April 2014
17.	Deepak M.Sonje, , Anandita Chowdhury, Prasanta Kundu, Fault Diagnosis of induction motor using parks vector approach, IEEE conference on Advances in Electrical Engineering (ICAEE),VIT,vellore, Tamilnadu, 9-11 January,2014
18.	M. A. Mulla, S. Patel, R. Chudamani, and A. Chowdhury, "A simplified control strategy for Shunt Active Power Line Conditioner working under unbalanced non-sinusoidal supply conditions," in 2012 IEEE 5th India International Conference on Power Electronics (IICPE), 2012, pp. 1-6.
19.	M. A. Mulla, P. Patel, R. Chudamani, and A. Chowdhury, "A simplified control strategy for Series Hybrid Active Power Filter that compensate voltage sag, swell, unbalance and harmonics," in 2012 IEEE 5th India International Conference on Power Electronics (IICPE), 2012, pp. 1-6.
20.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "Series Hybrid Active Power Filter for mitigating voltage unbalance and harmonics under unbalanced non-sinusoidal supply conditions," in Power and Energy (PECon), 2012 IEEE International Conference on, 2012, pp. 671-676.
21.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "An improved control circuit for Series Hybrid Active Power Filter compensating current-voltage harmonics, reactive power and supply unbalance," in Power System Technology (POWERCON), 2012 IEEE International Conference on, 2012, pp. 1-6.

22.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "A novel control scheme for series hybrid active power filter using generalised instantaneous power theory," in IECON 2012-38th Annual Conference on IEEE Industrial Electronics Society, 2012, pp. 1192-1197.
23.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "A novel control scheme for series hybrid active power filter for mitigating source voltage unbalance and current harmonics," in 2012 IEEE 7th International Conference on Industrial and Information Systems (ICIS), 2012, pp. 1-6.
24.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "Generalized instantaneous power theory and its applications to shunt active power line conditioners under balanced and unbalanced load conditions," in Environment and Electrical Engineering (EEEIC), 11th International Conference on, 2012, pp. 413-418.
25.	M. A. Mulla, R. Chudamani, and A. Chowdhury, "Series active power filter using generalised instantaneous power theory," in Proceedings of the World Congress on Engineering, 2012, pp.1-6.
26.	Jariwala H. R., Chowdhury A, Design of PID PSS and SVC in a multi machine system for damping of power system oscillations using Genetic Algorithms", 5th IEEE International conference on Power Electronics, DTU, IEEE Fifth India International Conference on Power Electronics (IICPE-2012), held at Delhi Technological University, Delhi, India., 6-8 December, 2012

Books/Monographs/Book Chapter:

1. Book Titled "Design & Implementation of Soft-Switching Boost Converter", Suresh Kumar Muppidi , Anandita Chowdhury , Srikanth Maddala LAP Lambert Academic Publishing, Germany, 2012
2. Book titled, "Studies of Control Algorithms for Series Hybrid Active Power Filter," M. A. Mulla, R. Chudamani, and A. Chowdhury LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-90333-5, 2016.
3. Chapter Titled, "Performance Analysis of Series Hybrid Active Power Filter",Authors: M. A. Mulla, R. Chudamani, and A. Chowdhury,Chapter First Online: 25 April 2013, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 229), IAENG Transactions on Engineering Technologies pp 327-338.DOI: https://doi.org/10.1007/978-94-007-6190-2_25
4. Article Titled: Series active power filter using generalised instantaneous power theory, M. A. Mulla, R. Chudamani, and A. Chowdhury,Published in Lecture Notes in Engineering and Computer Science WCE 2012,Proceedings Book of World Congress on Engineering 2012 Vol. II,ISBN: 978-988-19252-1-3,Editors: S. I. Ao, Len Gelman, David WL Hukins, Andrew Hunter and A. M. Korsunsky,Publisher: Newswood Limited, Hong Kong
URL: <http://www.iaeng.org/publication/WCE2012>

Ph.D. Supervision:

Completed:

1. M. A. Mulla , “Studies on control algorithms for series hybrid active power filter”, (joint supervision with Dr. R. Chudamani) ,2015
2. Hitesh R. Jariwala, “ Low frequency oscillation damping using PID PSS and FACTS “ (sole supervisor),2015
3. Hemang S Pandya, “Optimized microgrid demand response management in smart grid paradigm (sole supervisor),2019
4. Deepak Sonje, “Advanced techniques and fault detections in induction motor” (joint supervision with Dr. P.Kundu),2019

On going:

1. Dhruvesh Mehta , Partial Discharge and Breakdown Characteristics of Ester Based Insulating Liquids for Transformer in Nonhomogenous Electric Field (Joint Supervisor) (Thesis Submitted)
2. Mandar Chaudhari , Performance and design of SRM (sole supervisor)
3. Ramanjanuyulu Alla, Improved Z source inverter (sole supervisor)
4. Dhruva Patel, SEN transformer and FACTS device (sole supervisor)
5. Rekha Tidke, MPC based Induction motor control (sole supervisor)
6. Anish Tiwari, Converter and FACTS devices (sole supervisor)
7. Harshada Nerkar, Power system and Virtual inertia, (Joint Supervisor)
8. Nidhi Gohil , High voltage , (Joint Supervisor)

M. Tech Dissertation Supervision:

1. Bijal Mehta 2007-08
2. Vamsee Krishna P 2008-09
3. Dinesh Limbad 2009-10
4. Vishal Patel 2009-10
5. Suresh Kumar Muppidi,2010-11
6. Rohan P Patel 2010-11
7. Ullash N Gohil 2011-12
8. Vishal Darji 2011-12
9. Samarjit Bhattacharyya (M.Tech by Research),2011-12
10. Ankit Brahmabhatt 2012-13
11. Rajesh K Kothapalli 2013-14
12. Jyoti P Shah 2013-14
13. Anshika Khare 2013-14
14. Sanjay Bhandari, 2014-15
15. Raj Raviraj Sinh P ,2014-15
16. P. Ramesh.2014-15
17. Sumit U Bagade,2015-16
18. Himanshu, 2015-16
19. Suraj Dahat, 2015-16
20. Nidhi J Gohil,2015-16
21. Ankit Singh Basera, 2016-17
22. Pravin Borkar 2016-17\
23. Shravani, 2017-18
24. Adarsh , 2017-18
25. Samir Tikhe 2018-19
26. ZainuL Aabedin Shaikh 2018-19

B. Tech Project Supervision: since 1999**Conducted Workshop / Seminars/conferences for Faculty / Industry People:**

Sr. No.	Details
1.	TEQIP III sponsored International Conference “ Gender Equity : Challenges and Opportunities” 19-20 December,2019
2.	Hands on: Mathematical modeling and software simulation for power systems and electrical machines-10 – 20 June, 2019, TEQIP (phase III),SVNIT
3.	Computer Aided Techniques for Electrical Machines and Power Systems, 11 – 21 June, 2018, TEQIP (phase III),SVNIT
4.	Two day TEQIP (phase II) sponsored Women in higher Education Workshop,24 th to 25 th February,2017.
5.	One week QIP AICTE approved STC on Advances in Electrical Machines, 12 th to 16 th Dec,2016
6.	One week TEQIP (phase II) approved STTP on Advances in Power System Engineering, 22 nd to 26 th June,2015
7.	Five days TEQIP (phase II) approved Finishing school on Implementation of Power Electronics Systems, 17-18 th ,24-26 th January, 2015
8.	One week TEQIP (phase II) approved STTP on Implementation of Power Electronics Systems, 29 th Dec to 2 nd January, 2015.
9.	Two day TEQIP (phase II) sponsored Curriculum Revision Workshop,16 th to 17 th August,2014
10.	One week TEQIP (phase II) approved STTP on Advances in high Voltage Technology, 23 rd June to 27 th June, 2014
11.	One week TEQIP (phase II) approved STTP on Implementation of Power Electronics Systems, 1 to 5 July, 2013
12.	One week AICTE approved STTP on High Voltage Testing Techniques, 21 to 25 December, 2009
13.	One week AICTE approved STTP on Laboratory Curriculum development in Electrical Engineering, 19 to 23 January, 2009
14.	One week AICTE approved STTP on Recent Trends in Power Electronics, 7to 11 July, 2008
15.	Two days awareness programme for women (under TEQIP) on Electrical Energy Saving and Related Aspects, 13 to 14 September, 2007

Seminar / Workshop/ Short term courses/schools/conferences attended:

Sr. No.	Conference/Seminars/STTP	Organiser	Period
1.	Heterostructure Semiconductor Devices	CEC, IIT, Kharagpur	4 th to 8 th January,1999
2.	Energy auditing, conservation and prevention of energy pilferage	Electrical Engg. Dept,SVRCET	5 th to 6 th March, 1999
3.	National Workshop on Non-linear Dynamics	Centre for theoretical studies, IIT, Kharagpur	29 th Feb to 3 rd March,2000
4.	Frontier of Measurement and Instrumentation	IIT, Kharagpur	6 th to 17 th May, 2002
5.	International conference on Computer Application in Electrical Engineering Recent Advances.	CERA-01, IIT, Roorkee	21 st to 23 rd February, 2002
6.	Helping students for better learning skill & habit for value in education	CEC, SVNIT, Surat	21 st to 25 th june, 2004
7.	Wide band wireless digital communication	Electronics Engg. Dept, SVNIT, Surat	13 th to 18 th December,2004
8.	Hostel management ,student health and welfare	CEC, SVNIT, Surat	27 th to 31 st December,2004
9.	Power system Analysis Software,	EED, SVNIT , Surat	13 to 15 July, 2005
10.	National level Symposium on Security and Soft Computing (NSSC 2007)	Computer Engg. Department, SVNIT, Surat	29 to 31 March, 2007
11.	Recent Trends in Industrial Automation	Electrical Engg. Department, SVNIT, Surat	2 to 4 January, 2008
12.	Management Capacity Development Program for Future Managers	Effective Quality Upgradation Assistance for Technical Education (New Delhi), SVNIT, Surat	4 to 8 February, 2008
13.	Advanced Power Systems	Electrical Engg. Department, SVNIT, Surat	26 to 30 January 2009
14.	NaMPET 2009	Electrical Engg. Department, SVNIT, Surat	7 to 8 May 2009
15	Microcontrollers and their Applications	Electrical Engg. Department, SVNIT, Surat	14 to 18 December 2009

16.	Modern Electrical Energy system	Electrical Engg. Department, SVNIT, Surat	25-29 January 2010
17	Recent trends in Control and Instrumentation	Electrical Engg. Department, SVNIT, Surat TEQIP	28 Jan-1 st Feb-2013
18	Recent Trends in Power system	Electrical Engg. Department, SVNIT, Surat TEQIP	24-28 June 2013
19	Objective and Outcome based Education	Civil Engg. Department, SVNIT, Surat TEQIP	21-22 Dec 2013
20	2 nd World Summit on Accreditation	National Board of Accreditation, New Delhi	8-10 March 2014
21	Good Governance	TEQIP, SVNIT	9 September 2014

Expert Lectures :

1. On Harmonic Analysis in the workshop (TEQIP) Power system Analysis Software, EED, SVNIT, Surat, 13 to 15 July, 2005
2. On Testing of induction Motors in workshop (TEQIP) on electrical Engineering , EED, SVNIT , Surat, 3 to 5 January, 2007.
3. On Electrical Safety in Two days awareness programme for women (under TEQIP) on Electrical Energy Saving and Related Aspects, EED, SVNIT, Surat. 13 to 14 September, 2007
4. Womens' role in society and technical education, Dr. S & S.S. Gandhi college of Engg. and Tech., Surat, 7 March, 2008
5. On Control Algorithms in Power Electronics in AICTE approved STTP on Recent Trends in Power Electronics, 7 to 11 July, 2008
6. (i) On Experiments in Electrical Machines and (ii) ANSYS software in AICTE approved STTP on Laboratory Curriculum development in Electrical Engineering, 19 to 23 January, 2009
7. On High Voltage AC generation, in AICTE approved STTP on High Voltage Testing Techniques, 21 to 25 December, 2009
8. On (i) Review of Electrical Drives concept (ii) Simulation and Experimentation of DC Drives (iii) Simulation and experimentation of AC and other drives in TEQIP sponsored STTP on Implementation of Power Electronics Systems, 1st to 5th July, 2013
9. On High Voltage generation, in TEQIP sponsored STTP on Advances in High Voltage Technology, 23 to 27 June 2014
10. (i) Review of Electrical Drives concept (ii) Simulation and Experimentation of DC Drives (iii) Simulation and experimentation of AC and other drives One week TEQIP (phase II) approved STTP on Implementation of Power Electronics Systems, 29th Dec to 2nd January, 2015.

11. (i) Review of Electrical Drives concept (ii) Simulation and Experimentation of DC Drives (iii) Simulation and experimentation of AC and other drives One week TEQIP (phase II) approved Finishing school on Implementation of Power Electronics Systems, 17-18th ,24-26th January, 2015.

12. Women in Technical education : Women empowerment programme (Gujarat Govt), Venue SVNIT,8th August 2015

13. Ethics in technical education workshop Nov 18-19 2016

14. Basic concepts and advances in Electrical Machines STC QIP AICTE approved “ Advances in Electrical Machines”, 12-16th Dec, 2016

15. Modelling and Design of Electrical Machines in the workshop Computer Aided Techniques for Electrical Machines and Power Systems, 11 – 21 June, 2018

16. Electrical machines design, modelling and simulation, Hands on: Mathematical modelling and software simulation for power systems and electrical machines 10-20 June, 2019

Member of Technical Societies:

1. Senior Member, IEEE
2. Member, WIE, IEEE
3. Life Member , ISTE

Significant Outreach Activities

Sr. No	Details
1	Technical advisory committee member: national women’s conference on exploring potentialities of women in engineering CIT, Changa, 3-4 July.2009
2	Reviewer for the IEEE Canada Electric Power Conference, Montreal, Canada on Oct. 22-23, 2009
3	Reviewer for G H Patel College of Engineering and Technology (GCET), Vallabh Vidhayanagar organized ‘National Symposium on Recent Trends in Electrical Engineering’ on 7th – 8th January 2010
4	Member of the technical paper review committee of our international conference (AECT 2010). Jan 2010, Manipal Institute of Technology, Manipal University
5	Technical Programme Committee Member for the National Conference on "Control of Power Electronic Drives and Systems"(CPEDS-2010) during May 30th -31st , 2010 organized by Department of Electrical Engineering, AU College of Engineering (Autonomous), Andhra University, Visakhapatnam
6	Member of the technical paper review committee of our international conference on industrial and information system(ICIS 2010). 29 th July -1 st August 2010 , NIT, Surathkal, Karnataka
7	Reviewer for the IEEE Canada Electric Power Conference, Halifax, NS, Canada on Aug. 25-27, 2010
8	Reviewer for PEDES conference 2010, Delhi
9	Reviewer for research and Project Fair-2011, 12-13 May 2011, Ahmedabad

10	Reviewer for Third International Conference on Computer, Communication, Control and Information Technology (C3IT 2015), Adisaptagram
11	Reviewer for CMI 2016, Jadavpur university, Kolkata
12	Reviewer for IEEE PEDES 2016, DTU
13	Reviewer for AMSE journal, France
14	Reviewer for book Engineering circuit analysis (Mc Graw Hill)(April 2009)
15	Reviewer for New script of electric Drives chapter2(McgrawHill)(Dec 2009)
16	Reviewer for ACTA Press / IASTED Calgary, Canada
17	Delivered lecture on the occasion of Women day celebration, Ghandhy Engineering college, Surat,2008
18	Session chair of national women's conference on exploring potentialities of women in engineering CIT, Changa, 3-4 July.2009
19	Reviewer for ET2ECN2012
20	Acted as a jury in week long celebration of Swami Vivekananda's birthday.
21	Guidance given for validation of vision and mission statements of Ghandhy Engineering College, Surat. 2013
22	Evaluation of Ph.D thesis of Babasaheb ambedkar university, 2016, Maharashtra
23	Expert lecture in national workshop Ethics in technical education: challenges and solutions
24	Speaker for training supervisors and technicians of Indian railway
25	Evaluation of Ph.D thesis of Babasaheb ambedkar university,2017,Maharashtra
26	Evaluation of Ph.D thesis of Manav Rachna International University , Faridabad,2017
27	Training to SMC engineers, 23 rd March, 6 th and 7 th April,2018
28	Industrial visit with M.Tech students 17 th March,2018
29	Industrial visit with M.Tech students March,2019,2020
30	NBA related meeting for validation of Mission and Vision in Ghandhy college on 26 th July,2019
31	Evaluation of Ph.D thesis of Manav Rachna International University , Faridabad,2019
32	NBA related meeting for validation of Mission and Vision of Electrical Engineering Department in Government Engineering College, Surat on 14 th August,2019

Academic Awards/ Fellowships/ Scholarships

- 1. National Scholarship:** Awarded with National Scholarship from 10th Std. till Graduation given to meritorious students by the West Bengal state board.
- 2. Best paper award :** The award was given for the best paper prize for the year 2001-2002 by "Hari Om ashram Prerit Bhaikaka Inter university Trust", Sardar Patel university, Vallabh Vidyanagar, Gujarat . The paper was published in the Proceeding of Eleventh National Power System conference, NPSC-2000, Vol.2, Pg. 483-487, Department of Electrical Engineering, IISc, Banglore. Award was Announced in the year 2006.

Consultancy Work :

- Electrical Engineering Department provides testing service to the industries, contribution towards testing services regularly.

- Contribution in following major industry based consultancy
 - (a) Consultancy project on "Efficient Induction motor design
 - (b) Electrical Department offered degree level training programme to RIL Hazira during 2006-2009.
 - (c) Electrical Department offered training programme to Torrent power, Surat, 2007-08
 - (d) Electrical Department offered training programme to ESSAR, Hazira, 2007-08
 - (e) Electrical Department offered man power development training for RIL, Hazira Anchor Cell, 2015
 - (f) Consultancy work for DGVCL 2014-15
 - (g) Electrical Department offered man power development training for RIL, CCE, 2020.

Administrative and Other responsibilities:

1. Head of the Department, Electrical Engineering, 7th October 2013 to 7th October 2015
2. QIP Coordinator, SVNIT, 15th June 2017 to 4th July, 2019
3. Chief Examination coordinator, SVNIT, 8th June 2017 to 30th June, 2019
4. Associate Dean, SVNIT, 8th June 2017 to 30th June, 2019
5. Founder Faculty Adviser Electrical Engineering Society 2014 to 2017
6. Co- Chairman Social and Cultural Committee 2007-2008, Technical committee Sparsh 2017
7. Member of Women Cell from 15th February 2017, coordinated one workshop exclusively for women faculty and students.
8. Working committee member of Day care Centre from August 2008 to 2011
9. Member of Committee for write off, 2006
10. Jury in Mind -bend 2007
11. Member of the selection committee of Teaching Assistant, 2014
12. Member secretary of convocation 2017, 2018
13. Coordinator of Registration Committee of convocation 2017
14. Member of PhD regulation preparation committee, 2017-18
15. Co Chairman of Institute curriculum revision committee, 2018
16. Chairman of Curriculum revision committee of Integrated M.Sc(Physics) M.Sc(Chemistry) M.Sc(Mathematics), 2019
17. Mentor First year B. Tech Electrical Engg student, 2019
18. Professor in charge Institute Accreditation committee, 2019
19. Chairman, Institute Accreditation Committee, 2019
20. Member, Stock verification Committee
21. Coordinator, Reception committee, Convocation, 2019

Departmental Activities

1. Faculty Adviser from academic year 2006 to 2013
2. Sectional Head -Electrical Machines 2008 to till date
3. Coordinator PhD credit and progress seminar 2008 to 2012
4. Evaluation and student feedback 2008 to 2010, 2013 to 2015
5. Project coordinator B.Tech IV 2008 to 2010
6. Time Table committee chairman 2010-13
7. Electrical Machine Laboratory in charge
8. Drives Laboratory in charge
9. Renewable Energy Laboratory in Charge