NARESHKUMAR C. KUMAVAT

Lecturer
Electrical Engineering
Department,
Government Polytechnic, Valsad

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EDUCATIONAL QUALIFICATION

M-Tech in Electrical (Power Electronics, Machines and Drives)   2008-2010
Nirma University, Ahmedabad

B.E. in Electrical   2004-2008
Gujarat University, Ahmedabad

WORK EXPERIENCE

Government Polytechnic, Valsad   2016-Present
Lecturer

MGITER Navsari   2010-2016
Assistant Professor

TECHNICAL SKILLS AND KNOWLEDGE

Computer Aided Design Packages : MATLAB, Psim, MAGNET

SUBJECT TAUGHT

DC & AC Circuits   Utilization of Electrical Energy   Power Electronics

TRAINING AND WORKSHOP

- "Comprehensive Online Intellectual Property Rights" at online during 07/06/2020 to 14/09/2020 (2 Week)
- "Unlimited digital advanced yearlong academic method of learning" at online during 28/07/2020 to 18/08/2020 (1 Week)
- "Electrical Machines-I" at NPTEL MOOC during 29/07/2019 to 18/10/2019 (2 Week)
- "Fundamental of Power Electronics" at NPTEL MOOC during 28/01/2019 to 19/04/2019 (2 Week)
- "Induction Phase-II" at NITTTR Bhopal during 14/01/2019 to 25/01/2019 (2 Week)
- "Power System Analysis" at NPTEL MOOC during 30/07/2018 to 19/10/2018 (2 Week)
- "Induction Phase-I" at NITTTR Ahmedabad during 12/03/2018 to 23/03/2018 (2 Week)
- "Electric Vehicles" at SVNIT Surat during 26/05/2014 to 30/05/2014 (1 Week)
- "Recent Trends In Power System Protection" at SCET Surat during 03/12/2012 to 07/12/2012 (1 Week)

PORTFOLIOS (Current Portfolios)

- Institute Website Coordinator
- Institute Pay Fixation Committee member
- Institute SSIP Purchase Committee member
- Department Vikaslakshi Coordinator
- Department Time-Table Committee member
- Department NBA 2.2.4 Criteria Coordinator
- Department GTU Marks Entry Monitoring Coordinator

RESEARCH PROJECTS GUIDED

- Simulation for speed control for BLDC Motor using soft computing techniques, July 2015 to July 2016
- Damping of oscillation in multi-machine power system using power system stabilizer, July 2015 to July 2016
- Load frequency control in multi area power system using soft computing technique, July-2014 to July 2015.
- Simulation and analysis of hybrid active filter for power quality improvement, July-2014 to July 2015.
- Modeling and control of doubly fed induction generator for power point tracking, July-2014 to July 2015.

PUBLICATION

Journal Papers

- Nitiksha Pancholi, Nareshkumar Kumavat " Load frequency control techniques in multi area power system" International Journal of Advanced Engineering and Research Devlopment, January 2015, ISSN 2348-6406

- Nareshkumar Kumavat, "Software implementation of Sensor based field oriented control of Induction Motor using dsPIC30F6010A" International Journal of Advanced Engineering & Computing Technologies, December 2013.ISSN 2249-4928 (Rajasthan College of Engineering for Women, Jaipur).

- Ketan M patel, Nareshkumar Kumavat, Unnati A. Mali, " Dynamic Model of balance voltage in distributed Generation System" International Journal Advanced Engineering & Computing Technologies, December 2013 ISSN 2249-4928 (Rajasthan College of Engineering for Women, Jaipur).

Conferences Papers

- Kunal Shah, Nareshkumar Kumavat "Simulation of shunt active filter for power quality improvement" 1st International Conference on Engineering: Issues, Opportunities and Challengers for development, 11th April, 2015 (S.N.Patel Institute of Technology & Research Centre, Umrakh)

- Kamini Patel, Nareshkumar Kumavat, Nitiksha Pancholi "Rotor side controller of doubly fed induction generator for maximum power point tracking" 1st International Conference on Engineering: Issues, Opportunities and Challengers for development, 11th April, 2015 (S.N.Patel Institute of Technology & Research Centre, Umrakh)

- Nitiksha Pancholi, Nareshkumar Kumavat, Kamini Patel " Load frequency control in multi area power system using conventional controller" 1st International Conference on Engineering: Issues, Opportunities and Challengers for development, 11th April, 2015 (S.N.Patel Institute of Technology & Research Centre, Umrakh)

- Ketan M Patel, Nareshkumar Kumavat, Unnati A. Mali, " dynamic Model of balance voltage in distributed Generation System" 1st International Conference on EMERGING TRENDS IN ENGINEERING & APPLIED SCIENCE, 27-28 December 2013 (Rajasthan College of Engineering for Women, Jaipur).
- Nareshkumar Kumavat, Ketan M. Patel, Sanjay Yadav "Software implementation of Sensor based field oriented control of Induction Motor using dsPIC30F6010A" 1st International Conference on EMERGING TRENDS IN ENGINEERING & APPLIED SCIENCE, 27-28 December 2013 (Rajasthan College of Engineering for Women, Jaipur).

- Naresh C. Kumavat, "Software implementation of field oriented control of Induction Motor using dsPIC30F6010A", 4th National conference on current trends in technology, NUCONE 2009, section 4, 25-27 November 2009 (Nirma University, Ahmedabad).

ACADEMIC PROJECTS GUIDED

- Controller based solar street light
- Three phase fault analysis with auto reset for temporary fault and permanent trip
- Three phase induction motor protection using microcontroller
- Simulation and development of 150 degree conduction mode of three phase voltage source inverter
- Power generation using speed breaker
- Automatic power factor correction using microcontroller

PATENT FILED

NIL

PROFESSIONAL INSTITUTION MEMBERSHIPS

- Life Time Member-Indian Society for Technical Education

EXPERT LECTURES

NIL

AWARDS

NIL