

## **Mr. Siddharth Joshi**

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### **Publications:**

### **Journals:**

1. Siddharth Joshi, Ankit Patel, Pinkal Patel, Vinod Patel, “Wind Energy - A Brief Survey With Wind Turbine Simulations”, IJJCET (International Joint Journal) Singapore.
2. Siddharth Joshi , Devang Shah, Pinkal J. Patel, Vinod Patel Wind Turbine Shut Down and Restart Operations – A Test on 800kW WECS; International Journal of Advances in Engineering Sciences; <http://journals.rgsociety.org/index.php/ijse>; Rohtak.
3. Siddharth Joshi, Pinkal Patel and Vinod Patel, LVRT Effect On 800kw Grid Connected WECS Connected With 50km Line, Global J. of Engg. & Appl. Sciences, 2011: 1 (4), Review Paper: Siddharth et al., 2011: Pp.36-38.

### **Conference papers:**

1. Published and presented a research paper on DC Drive employing DC chopper in NCETT 2010 at VNS Institute of Technology, Bhopal. **(During 2<sup>nd</sup> Sem of ME)**
2. Siddharth Joshi, Pinkal Patel, Vinod Patel, “A Brief Survey on Wind Energy and Wind Turbine Simulations connected with PMSG”, National conference at Parul Institute, Waghodia, Baroda on 4<sup>th</sup> and 5<sup>th</sup> December, 2010.
3. Siddharth Joshi, Pinkal Patel, Vinod Patel, Kaushal Patel, “Wind Energy Conversion System using PMSG”, NUiCONE 2010 organized by Institute of Technology, Nirma University on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> December 2010.
4. Siddharth Joshi, Pinkal Patel, Vinod Patel, “Wind Energy Conversion System – Grid Connected Wind Turbine with PM Generator”, ICSE11- International Conference on Science & Engineering, HUDA Sector 4, Rohtak, Haryana. (INDIA) held at Rohtak Gymkhana on 21<sup>st</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> January, 2011.

5. Siddharth Joshi, Rhuta Mehta, Pinkal Patel, Vinod Patel, Kaushal Patel, “Wind Energy Conversion System PSIM Oriented Open and Close Loop Simulation”, ICISSET – International Conference on Innovative Science & Engineering Technology 2011 held at VVP Engineering College, Rajkot on 8<sup>th</sup> and 9<sup>th</sup> April 2011.
6. Siddharth Joshi B. Pinkal Patel C. Vinod Patel D. Mihir Oza; 800kW - Wind turbine detail modeling Wind turbine model with Pitch control, NCTM 2012, National Conference, Sankalchand Patel College of Engineering, Visnagar, January 20-21, 2012. **(Won young Scientist Award)**
7. Siddharth Joshi, Sanjay Narsiyan, Pinkal Patel, Vinod Patel, “LVRT phenomenon on 800kW Wind Energy Conversion System (Momentary L-L fault)”, ITES-2012, International conference, V.V.P. Engineering College, Rajkot held on 22nd -23rd December, 2012. **(Won session best paper award)**
8. Siddharth Joshi, Dr. V. J. Pandya, “A Brief Survey on Wind Energy Conversion Systems & Modelling of PMBLDCG based Wind Turbine”, 1st National Conference on Power Electronics Systems & Applications, PESA 2013, NIT, Rourkela, March 16th and 17th, 2013.
9. Siddharth Joshi, Astik Dhandhia, Dr. Vivek Pandya, “Momentary L-G Fault Analysis in 800kW Grid Tied Wind Energy Conversion System”, National Conference, ITM Universe, Vadodra, January 17<sup>th</sup> and 18<sup>th</sup>, 2014.
10. Mr. Siddharth Joshi, Dr. Vivek Pandya, Dr. Bhavesh Bhalja, “**PSIM based Simulation on Maximum Power Point Tracking and MPPT Efficiency for Wind and Solar Energy Conversion Standalone System**”, 2014 International Conference on Green Materials and Environmental Engineering (GMEE2014), Hong-kong.
11. Siddharth Joshi, Dr. Vivek Pandya, Dr. Bhavesh Bhalja, “Maximum Power Point Tracking and MPPT Efficiency for Wind and Solar Energy Conversion Standalone System - PSIM based P&O Method”, INDICON 2014 (IEEE), December 11 to 13, 2014 at YASHADA, Pune.