

## MINESH K. JOSHI

158/5, Vaikunth Society-2

New VIP Road, Vadodara

Gujarat, INDIA.

DOB: 20<sup>th</sup> November, 1981

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### SKILLS

- Expert in Teaching subjects Circuit and Networks, Electromagnetic Field Theory, Design of AC Machines, Power System Operation and Control
- Proficient in MATLAB, C Programming
- Digital Signal Processing/ Random Process and Time Series Analysis
- Network Management

### EDUCATIONAL QUALIFICATION

- Blekinge Tekniska Högskola (Blekinge Institute of Technology), Blekinge, Sweden **Nov. 2007**  
Master of Science, degree in Electrical Engineering- Telecommunication
- South Gujarat University, Gujarat, India **July 2003**  
Bachelor of Engineering, Degree in Electrical Engineering.

### COMPUTER SKILLS

Languages : C, C++

Operating System : Windows

Software Tools : MATLAB, OPNET, OSPF, PSIM , ASP.net, VB.net

### ACADEMIC PROJECTS

- Master Thesis - **AVOIDANCE OF SPOOFING OVER A LAN**
- Using FCAPS Thinking Design Proper and Cost Effective Management of a Company Network
- Software Development for Tic- Tac- Toe Game
- TCP Congestion Control Mechanism Under a Simulated Condition
- PC to PC Data Transfer Using Serial Interface

**ACADEMIC/RESEARCH/PROFESSIONAL EXPERIENCE**

<b>Sr. No</b>	<b>Designation</b>	<b>Employer Name/Institute Name</b>	<b>From</b>	<b>To</b>	<b>Nature of Service</b>
1	Trainee Engineer	Jord Engineers India Ltd., INDIA	May 2005	Dec.2005	Maintenance Department
2	Student	Blekinge Institute of Technology, SWEDEN	Jan.2006	Nov.2007	Master Degree Student, Karlskrona, SWEDEN
3	Sales Assistant	Journey's Friend, LONDON, UK -	Feb 2008	October 2009	Working Holiday Maker Visa, UK
4	Head and Lecturer	RMS Polytechnic College, Sigma Group, Vadodara, INDIA	Feb 2010	June 2010	Full Time Teaching, (College affiliated with Gujarat Technological University)
5	Pro Term Lecturer	Sigma Institute of Engineering, Vadodara, INDIA	June 2010	May 2011	Full Time Teaching, (College affiliated with Gujarat Technological University)
6	Asst. Professor	ADIT, New V V Nagar, INDIA	May 2011	Till date	

- During **May 2005** to **Dec. 2005** I have been involved maintenance of welding Machines, High frequency Machines in maintenance Department.
- From **February 2010** to **June 2010** I was head and Lecturer of EC Department in RMS Polytechnic College of Engineering, Sigma Group of Institute. I promoted to Degree Engineering as a Pro Term Lecture (In charge Head of EE Dept.) since **June 2010** to **May 2011**. I have developed Network Analysis, Control Theory and Power Electronics Laboratory. During this period I taught various subjects as Fundamental of Electronics, Circuits and Networks and Control Theory.
- After Joining ADIT since **May 2011** apart from Class teaching and practical exposure I have been involved in various duties like Departmental Timetable committee In charge, Industrial exposure of Students as a part of Training and Visits, In charge of Electrical Measurement Laboratory and Departmental Training and Placement Coordinator. During this period I taught various subject like Circuit and Network, Power Electronics, Electrical Machine and Electronics, Electrical Machine Design, Interconnected power systems, Power quality and FACTS, Smart grid and Power System Operation and Control.

#### **Paper Publications:**

##### **International Journal**

- Brijesh. M. Patel, **Minesh. K. Joshi**, Dhaval. N. Tailor “Design & Simulation of Boost converter for constant Output voltage”, Vol.-8, Issue 1, pp.19-24 International Journal of Emerging Trends in Electrical & Electronics, ISSN:2320-9569,**October – 2013**.

##### **International Conference**

- Mr. Brijesh M. Patel, **Mr. Minesh K. Joshi**, Mr. Paresh R. Modha, Mr.Jigar N. Mistry, New Lighting Scheme for Laboratory”, Switch Global Expo-2016, Vadodara, **October-2016**
- **Mr. Minesh K. Joshi**, Mr. Paresh R. Modha, Ms.Chandani S.Parmar “Permissibility of Interconnection of Individual Two-Port Networks”, PP:-16,2nd International Conference Women in Science and Technology, (ICWSTCSC:2018), ISBN:978-93-84339-47-0, **June- 2018**
- Dr.Nilesh G. Chothani, **Mr.Minesh K.Joshi**, Mr.Dharmesh D Patel “SVC based Reactive Power Compensation in EHV Transmission Line using Adaptive PID Controller”, Paper ID 146, IEEE International Conference will be held at CSPIT, Changa **December -2018**.

##### **National Journal**

- **Mr. Minesh K. Joshi**, Mr. Brijesh M. Patel, Mr. Paresh R. Modha “Modeling and Simulation of 6-Pulse and 12-Pulse Rectifier under RL Load with Impacts on Input Current Harmonics”, Vol-11, Issue-1 ADIT Journal of Engineering, ISSN 09733663, **December – 2014**.
- Mr. Jigar N. Mistry, **Mr. Minesh K. Joshi**, Mr. Brijesh M. Patel, Mr. Paresh R. Modha, “Five Level Flying Clamped Multi Level Inverter”, Vol-12, No1 ADIT Journal of Engineering, ISSN 09733663, **December – 2015**.

#### National Conference

- **Minesh.K.Joshi**, Mr. Paresh R. Modha, Mr. Rajan.R.Modha, “Elimination of Most Dominant Harmonics by Different Methods”, pp:-15,2nd National Conference on Research & Development in Core Disciplines of Engineering, VIER, Vadodara , 21st and 22nd April, 2017,ISBN No 978-93-5268-525-7, **April – 2017**.
- Mr. Rajan.R.Modha, Mr. Paresh R. Modha, **Mr.Minesh.K.Joshi**, “Solar Cell Design in PC1D simulator for maximum efficiency”, pp:-27, 2nd National Conference on Research & Development in Core Disciplines of Engineering, VIER, Vadodara, 21st and 22nd April, 2017, ISBN NO 978-93-5268-525-7 **April – 2017**.

#### National Magazine

- **Mr. Minesh K. Joshi** , Mr. Paresh R. Modha, Mr. Brijesh M. Patel, Mr. Jigar N. Mistry, Mr.Mitesh. B. Astik, “Managing 12 Pulse Converters”, Volume 56 No 9 Electrical India Magazine, ISSN: 0972-3277, **September -2016**.
- **Mr. Minesh K. Joshi**, Mr. Paresh R. Modha, “Analysis and Elimination of 3rd Harmonics”, Volume 56 No 12 Electrical India Magazine, ISSN: 0972-3277, **December 2016**.
- **Mr. Minesh K. Joshi**, Mr. Paresh R. Modha, Mr.Rajan R. Modha, “Energy Conservation for Air Conditioner” Vol-12, No:-11 Cooling India Magazine, ISSN: 0972-3277, **June-2017**.
- **Mr.Minesh K. Joshi**. Mr.paresh R.Modha, “Load Flow Analysis Through Iterative Techniques” Electrical India Magazine, Vol 60, No 12, PP 24-27, December 2020.
- Mrs. Chandani Parmar, **Mr.Minesh Joshi**, Mr. Paresh Modha, Shunt Active power Filter for Power Quality Improvement by Using Pi and Fuzzy Controller” Electrical India Magazine, Vol60, No2, PP 50-56, February 2020.
- **Mr.Minesh Joshi**, Mr.Nishipal Rana, Mr.Vineet Rajan, Mr. Jay Bhanushali , “Electrical Vehicle Charging Using Super Capacitor- Battery Hybrid Topology” IEEMA Journal, Vol 12, PP 58-62, ISSN no 0970-2946, February 2021.

### **Short Term Training Programs / Trainings /Events ORGANIZED at ADIT**

- Co Coordinator of Two day workshop on “Recent Trends in Power System and Protection” from **7th to 8th March 2014**.
- Co coordinator of Short Term Training Program (one week) on “Design and Development of Embedded System” from **30th March to 4th April 2015**.
- Event Co coordinator of Energy Conservation Awareness Workshop on **22nd July 2015** sponsored by GEDA.
- Coordinator of Short Term Training Program (one Week) on “Theory and Hands on Practice on Electrical Machines and Power System” from **6th to 10th March 2017**, Sponsored by IE (India).
- Event Coordinator Energy Conservation Awareness Workshop on **15th July 2017** sponsored by GEDA
- Event Coordinator of Energy Management workshop on **23rd January 2018** Sponsored by IE (India)

### **Short Term Training Programs / Trainings ATTENDED**

- Two week STTP on, “Introduction to Research Methodology MHRD Sponsored” from **25th June to 4th July 2012** organized by IIT Bombay.
- Two week STTP on, “Analog Electronics MHRD Sponsored” from **4th June to 14th June 2013** organized by IIT Kharagpur.
- One week STTP on, “Recent Trends in Power Systems TEQQIP-II Sponsored” from **16th June to 20th June 2014** organized by SVNIT, SURAT.
- One Day FDP on “Design Engineering” on **11th April 2015** Organized at ADIT.
- One week STTP on, “Power Electronics: System and Control TEQQIP-II Sponsored” **8th to 12th December 2014** organized by SVNIT, SURAT
- One week STTP on, “Recent Advances In Condition Monitoring of Electrical Assets Sponsored by TEQIP-II” from **20th May to 7th May 2016** organized by BVM, ANAND.
- One Day FDP on “Design Engineering” on **15th July 2017** Organized at ADIT.
- Recent trends in Power Electronics and Power System held from **11th to 16th June 2018** at GCET.
- Two Day Workshop on “Akash for Education” from **10th to 11th November 2013** organized by IIT Bombay.
- Two Day workshop on “DVP14S502” from **3rd to 4th September 2016** Organized at ADIT.

**Membership Details:**

Title	Details
Member of IEEE	Number 95229043
Lifetime Member of ISTE	Number LM111344
Lifetime Member of IE	Number M-157812-4

I hereby declare that the information given above is correct to the best of my knowledge & belief.

PLACE:

Vadodara

DATE: 06/09/2019

M. K. Joshi  
(Minesh K Joshi)