MR. MAHAJAN SAMADHAN KASHINATH
M.E. Electrical (Power Electronics & Drives)
Nasik (M.S.) 422008
E-mail:-samadhan846@gmail.com

Education:-

- Selected Ph.D scholar at NIT Surat on 21July 2019
- M.E. Electrical in Power Electronics & Drives (Mumbai University)-73%. (2012)
- B.E. Electrical (North Maharashtra University) – 74% (2010)
- Diploma in Electrical Engineering (M.S.B.T.E.) - 59.23% (2005)
- S.S.C. (Nasik Board) – 72% (2004)

Key Academic Projects:-

1. M.E. DISSERTATION: Power Quality Issues & Dynamic Voltage Restorer Setup:

Implementation of hardware setup and control strategy for dynamic voltage restorer setup with the power system model. DVR & PWM inverter is used as active filter to inject compensating voltage into the power system model. DSP based program is used for development of control strategy. Code composer studio worked platform as c language for programming of DSP (TMS320F28069).

2. M.E. SEMINAR: Study of Distributed Generation
Literature survey, operating principle, power quality issues of distributed generation. Seminar is presented on distributed generation.

Course Projects:-

Electrical Power System Quality: Power Factor Correction & Harmonics Mitigation of Buck Converter Connected to Utility:
A buck converter designed for improved p.f. and THD technique and its simulation is done on MATLAB.

Workshop Attended:-

1. Attended TEQIP (III) sponsored Two Weeks Short Term Training On "Hands On: Mathematical Modelling and Software Simulation for Power systems and Electrical Machines (HOMSPM)", From 10 – 20 June 2019, At Department of Electrical Engineering, SVNIT Surat, Gujarat-395007
2. Attended the Workshop on "MATLAB Researcher, MATLAB-13" Conducted by MANIT, Bhopal during 9th December to 11th December, 2013.
3. Participation in 3 days workshop on "Basics of Industrial Automation Using PLC & SCADA" during 23rd to 25th, September 2016 at GES, R.H.S.C.E.M.S.R, Nashik.
4. Attended the workshop on SCADA, PLC, AC Drives conducted by Prolific Systems &

Technologies Pvt. Ltd. at department of electrical engineering SIER Agaskhind, Nashik during 6 August 2012 to 12 August 2012.

5. Attended National workshop on "Emerging Technologies In Smart Grid" Organized by Department of Electrical Engineering, K. K. Wagh Institute of Engineering, Nashik dated at December 17-19,2013.
6. Attended a State level workshop on "Testing & Calibration of Measuring Equipments" Organized by Department of Electrical Engineering at Sandip Foundation & Sponsored by Savitribai Phule Pune University during 9-10 Jan,2015
7. Attended a State level workshop on "High Impact Teaching Skills" Organized by Department of Electrical Engineering at Sandip Foundation & Sponsored by Savitribai Phule Pune University during 3-4 October,2013

Publications:-

[1] S. K Mahajan, Sincy George. "Voltage Compensation Using d-q Theory", Third Biennial National Conference On NASCENT Technologies In The Field Of Electrical Engineering NCNTE-2012, February 24-25, 2012, Navi Mumbai, India, pp. 21-25.

[2] S. K Mahajan, Vikram Patil. "Dynamic Voltage Restorer for voltage sag/swell mitigation using DSP" in International Conference on Emerging Trends in Science & Technology, ICETST Aug. 22-23, 2014.

[3] Vishal Pansare, S. K. Mahajan. "Simulation of Z-source Inverter fed Induction Motor" in international conference on Emerging Research Trends in Applied Engineering and Technology (ICERTAC) held at KGCE Karjat, Dist. Raigad on 1st and 2nd April 2016.

Experience Summary: (8 Yrs.)

1. Work as a service engineer in "PHASE II-182" Project at Amalner under Ashoka Buildcon Limited, during the period 5th July 2005 to 30th June 2006.

2. Work as lecturer in SIER, Agaskhind Nashik from 11th July 2012- 30th June 2013.

3. Presently working as Asst. Professor in GES, R. H. Sapat Collage of Engineering, Management Studies & Research, Nashik form 1st July 2013 to till date.

Subject Taught :-

Sr. No.	**UG**	Sr. No.	**PG**
1.	Power Electronics	1.	Power Converters
2.	Power Electronic Controlled Drives	2.	AC & DC Drives
3.	Power system I	3.	Application of PE in Smart Grid
4.	Analog & Digital Electronics		
5.	Smart Grid		
6.	Basic Electrical Engineering.		
7.	Industrial Technology Management		

Knowledge of Computer Operation :

MATLAB, Code Composer Studio V4 (CCSV4), Visio, EAGLE, C and C^{++}.

Personal Profile:

Languages known : English, Hindi, and Marathi

Nationality : Indian

PLACE: Nashik

DATE: **Mr. Samadhan K. Mahajan**