

SANDEEP USHKEWAR

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EDUCATIONAL PROFILE

- 2017** **M. Tech (Electrical specialization with Power Electronics & Power System)** from Sardar Patel College of Engineering, Andheri (W), Mumbai **with CPI 9.56**
- 2013** **B. Tech (Electrical Engineering)** from **VJTI**, Matunga (E), Mumbai with **CPI 7.50**
- 2010** **Diploma in Electrical Engineering** from Government Polytechnic, Nanded. And secured first rank in college with an aggregate of **88.25%**
- 2007** **SSC** from Mahatma Phule High school, Nanded. And scored **84.15 %**

WORK EXPERIENCE – Lecturer & Assistant Professor (Electrical Engineering)

Organization: Veermata Jijabai Technological Institute (**VJTI, Mumbai**)

Period: July'2013– June'2015 (**2 Academic years**)

July'2017– May'2018 (**1 Academic year**)

Currently working as an Assistant professor in Electrical Engineering Department, **SVKM's Institute of Technology, Dhule** from 01.06.2018 to till date.

B.TECH PROJECT & M.TECH DISSERTATION

B. Tech Project-

"Controlled Islanding Scheme for Power System Protection: Guidelines and Approach (Case Study: Proposed Bhopal Islanding Scheme)" project under POSOCO, Western Regional Load Despatch Centre (WRLDC) Mumbai. Published an IEEE conference paper based on the project.

M. Tech Dissertation-

"Design & Fabrication of Split Core Pulse Transformer for Prototype Solid State Pulse Power Modulator" Published 03 IEEE & 01 Journal papers based on M.Tech dissertation.

ACHIEVEMENTS

- Received **M.Tech meritorious student award twice** from Sardar Patel College of Engineering, Mumbai on its 55th & 56th Annual Day (March 2017 & 2018 respectively).
- Received Scholarship from **Priyadarshani Academy, Mumbai** in final Year B. Tech of Electrical Engineering, VJTI Mumbai (2013).

IEEE PUBLICATION DETAILS

1. **Sandeep Ushkewar**, V. Shinde and V. Dake, "Modeling and analysis of split core pulse transformer for solid state pulse power modulator," *2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT)*, Coimbatore, 2017, pp.1-6.
doi: 10.1109/ICECCT.2017.8118032
2. **Sandeep Ushkewar**, V. Dake and V. Shinde, "Designing of solid state pulse power modulator by fabrication of pulse transformer," *2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vellore, 2017, pp.1-5.
doi: 10.1109/IPACT.2017.8244942
3. **Sandeep Ushkewar**, S. Chaube, N. Komawar, N. Tirpude and M. S. Ansari, "Controlled islanding scheme for power system protection: Guidelines and approach: Case study: Proposed Bhopal islanding scheme," *2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication & Bio-Informs (AEEICB)*, Chennai, 2017, pp.117-121.
doi:10.1109/AEEICB.2017.7972394
4. **Sandeep Ushkewar**, Mahesh Bodke, "Compensation of Reactive Power in DFIG Based Wind Farm using STATCOM," *2018 Fourth International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)*, Chennai, 2018, pp.1-5.
doi:10.1109/AEEICB.2018.8480955
5. Anant Dhulshette and **Sandeep Ushkewar**, "Validation Of STATCOM Capabilities through Modelling And Simulation On Simulink Platform," *2018 Fourth International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)*, Chennai, 2018, pp.1-5.
doi:10.1109/AEEICB.2018.8480850
6. Nilesh Ahire, Megha Fernandese and **Sandeep Ushkewar**, "Optimal Allocation Of Shunt Compensation And Maximum Loadability Assessment On IEEE-14 Bus Test System," *2018 Fourth International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)*, Chennai, 2018, pp.1-4.
doi:10.1109/AEEICB.2018.8480974

National Journal (UGC Approved)

Sandeep Ushkewar, "Design & Fabrication of Split Core Pulse Transformer on Hardware Platform," *Indian Journal of Technical Education (IJTE)* 2018. (Communicated)

International Journal (UGC Approved)

Sandeep Ushkewar, "DC load flow studies of DC link for power system planning," *International Journal of creative research thoughts (IJCRT)* Volume 6, Issue 3, April 2018
ISSN (online): 2320-2882.

Nilesh R. Ahire and **Sandeep Ushkewar**, "Implementation of P&O MPPT Method Using ARDUINO Controller for A Standalone Solar PV System," *International Journal of Electronics, Electrical and Computer Systems (IJECS)* Volume 7, Issue 03, March 2018
ISSN (online): 2348-117X.

SPRINGER PUBLICATION DETAILS

Sandeep Ushkewar, “Mathematical Modelling of STATCOM for Reactive Power Compensation in Power System & approach to the Renewable energy” conference conducted by SRIT, Anantpur (A.P) during 20-22 December 2018 which published by @ Springer Nature Singapore Pte Ltd. 2020 in the journal of *Emerging Trends in Electrical, Communications, and Information Technologies, Lecture Notes in Electrical Engineering* **569**, https://doi.org/10.1007/978-981-13-8942-9_15

WORKSHOP / FDP ATTENDED COORDINATED

1. Attended one week workshop on **“Power Electronics for Green Energy”** Sponsored by the TEQIP II during August 08-12,2016 which was organized by Department of Electrical Engineering, NIT Raipur (C.G)
2. **Coordinated two day’s workshop** on “Introduction to MATLAB” on 20th & 27th August, 2016 organized by Electrical Engineering Department under TEQIP II and in collaboration with IET at Sardar Patel College of Engineering, Mumbai.
3. Attended one week Faculty Development Program on **“Product Design”** Sponsored by TEQIP III and DBATU,Lonere during 7th to 11th December 2018 at Shree Sant Gadgebaba collage of Engineering, Bhusawal.
4. Attended two days Faculty development program on **“Mentoring: Attitude and Skill Development”** Sponsored by TEQIP I organized by Humanities and Management department of VJTI Mumbai on 26th and 27th 2013.
5. Completed one and half week Faculty development program on “Non-Conventional Energy Resources” during July-Oct 2018 conducted by the IIT, Madras. This is an online NPTEL Course are funded by the Ministry of HRD, Government of India approved as a FDP by AICTE, New Delhi.
6. Participated with student’s project group in the **25th National Children’s Science Congress 2017**, A Program of NCSTC, Department of Science & Technology, and Government of India. Student group was shortlisted through Mumbai district level & Qualified the State level at Jalgaon then entered to NCSC 2017 at Ahmedabad during 27th to 31st December, 2017.

SPEAKER / EXPERT TALKS

1. Delivered an expert talk on **“Introduction to MATLAB”** for IV Semester DEE students at the Electrical Engineering Department of Government Polytechnic, Mumbai in January 2017.
2. Speaker for the one day workshop on **“Application Software For Electrical Product Design”** it was a hands on workshop conducted on 24th March,2019 by the Department of Electrical Engineering, SVKM’S Institute of Technology, Dhule.

ONLINE CERTIFICATION COURSES

1. Attended **“One Day Coordinator Workshop on eSim, a First Course in the IoT Series”** on 27 July 2019 at IIT Bombay under Pandit Madan Mohan Malaviya National Mission (PMMNM) on Teachers and Teaching funded by the Ministry of Human Resource & Development, Government of India.
2. **NPTEL** online Certification Course on **“Non-Conventional Energy Resources”** of 12 week duration in July-Oct 2018. Secured 78% with an **Elite grade** in the examination conducted by the IIT, Madras. NPTEL online Certification Courses are funded by the Ministry of HRD, Government of India.
3. Attended **“One Day Workshop on Scilab”** on 4th May 2019 conducted by the Teaching Learning Centre (ICT) In Association with IIT Bombay Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching MHRD Govt.of India.
4. Attended **“One Day Workshop on PYTHON”** on 22nd June 2019 conducted by the Teaching Learning Centre (ICT) In Association with IIT Bombay Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching MHRD Govt.of India.

ROLES & OTHER RESPONSIBILITIES

1. Working as a Time table in-charge of Electrical Engineering Department, SVKM'S Institute of Technology, Dhule since June 2018.
2. Worked as a Co-coordinator of exam section for Mid semester exam of DBATU March 2019 held at SVKM'S Institute of Technology, Dhule.
3. Appointed as a Chairperson of DSR verification committee and internal monitoring of Labs for the academic year 2018-19 at SVKM'S Institute of Technology, Dhule.
4. Appointed as an external for exam related work of various Universities and autonomous colleges in Maharashtra state.

PERSONAL INFORMATION

- Date of Birth : 11th October, 1992
- Father name : Mr. Sunil Buchanna Ushkewar
- Nationality : Indian
- Languages : Marathi (Mother tongue), English, Hindi and Gujarati.
- Permanent address : “Agnipankh” Niwas House No.1-7-1448, Naik Nagar, Nanded Maharashtra - 431 605.