

PRATIKSHA SURESHPANT MOLEKAR

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CAREER OBJECTIVE:

Seeking an opportunity to secure the challenging and responsible position in organization where I can enhance and employ all my skills, knowledge for the benefit and growth of the organization.

ACADEMIC DETAILS:

Educational Level and Field of study	Institute	Year	Aggregate Score
M.Tech (Power Electronics and Power systems)	College of engineering, Pune	2018	8.2
B.Tech (electrical)	Veermata Jijabai Technological Institute. Mumbai	2015	8.4
H.S.C.	Smt. Ushabai Deshmukh Jr. College. Achalpur	2011	92.83%
S.S.C.	City High school. Achalpur.	2009	93.53%

SOFTWARE PROFICIENCY :

- MATLAB
- Basic knowledge of ATP,PSIM, ANSYS MAXWELL,MATPOWER

TRAINING AND WORKSHOPS:

- Undergone training in **Brihanmumbai Electric Supply and Transportation undertaking (B.E.S.T.)** for span of 15 days.
Duration: 16th Dec 2013 – 2nd Jan 2013
 - Studied Ring Main Distribution system with underground cables
 - Transformer and Material testing
 - Studied protection schemes at HV and LV side
- Undergone training in **Finlay Mill, Achalpur** for 15 days.
Duration: 10th-28th June 2013
- Attended training program on **low voltage switchgear at L&T's Switchgear Training Centre,Pune.**
Duration: 8th-10th October, 2016
- Attended two days "**Research Scholars Conclave**" organised by Centres of Excellence in Signal & Image Processing and Smart & Renewable Energy Systems, College of Engineering, Pune.
- Attended "**7th International Conference on Power System (ICPS 2017)**" organized at College of Engineering Pune, 2017

PROJECT WORK:

- **“Voltage stability assessment and loss minimization by power system reconfiguration.”** - M.Tech. Major Project

Voltage stability assessment under normal and faulted conditions can be effectively determined for the reconfigured networks compared with the original network analyzing the performance of line stability indices. Also the effect of reconfiguration of 14 bus power system network on power losses in branches and computation time required for finding stability indices has been observed.

Publication based on this work:

P.S Molekar , Dr.V. N. Pande “Voltage Stability Assessment and Loss Minimisation by Power System Reconfiguration,” published in **“International Journal Of Research And Review(IJRR),E-ISSN:2349-9788; P-ISSN:2454-2237”** in Vol.6; Issue 8; August 2019.

- “Protection system for IEEE 10 bus system using ATP” – M.Tech. minor project.
- Designed transformer core to observe distribution of flux in transformer core by FEMM in ansys Maxwell software.
- **“Load management and maximum demand control in energy meter for domestic purpose.”**-B.Tech project.

The main aim was to control energy consumption with the help of modified ordinary energy meter for domestic purpose. A MATLAB program was developed for calculation of threshold values of active and reactive powers consumed by the loads in a house to restrict the usage of electricity and corresponding electricity bill was calculated. Set limit was also provided for the per day energy usage.

EXTRA CURRICULAR ACTIVITIES:

- Scored 35.67% in Gate 2020
- Scored 43.36% with all india rank 4064 in GATE 2016
- Event Head of “Rope Mallakhamb” Competition,Enthusia’13 VJTI-2013
- Organiser of “Nrutavishkar”(Dance competition) in VJTI -2012

PERSONAL DETAILS:

- **Name** : Pratiksha Sureshpant Molekar
- **Date of Birth** : 5 August 1994
- **Gender** : Female
- **Linguistic Abilities** : English, Marathi, Hindi
- **Permanant Address** : Flat no.1002, Shri Siddhivinayak Manasvi, Wing- B, Sr.No.39/11B/12, Ambegaon(BK), Pune-411046

DECLARATION:

I hereby declare that all the information given by me is true & correct to the best of my knowledge and belief.

Date:

Place:

PRATI KSHA S. MOLEKAR