

RESUME

Personal Information

Name : Mrs. Rajashree Umesh Patil

Sr.Lecturer : Vidya Prasarak Mandal's Polytechnic, College Campus, Thane (W) – 400601(MS).

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Educational Qualifications

□□**M.Tech - Electrical Eng.specialization in Power System from VJTI, Matunga Bombay University of Mumbai (2015) SPI-9.3 CPI-8**

□□**B.E.Electrical Eng from Walchand college of Eng.Sangli, Shivaji University (1996) -Distinction.**

□□**D.E.E Electrical from K.J.Somaiya Polytechnic, Vidyavihar MSBTE (1993)- Distinction**

Computer Proficiency:

- Completed MSCIT with 88% in 2004
- Acquainted with MATLAB. SCILAB, OCTAVE, Power world

Experience

Working as **Sr. Lecturer** of the Polytechnic since 01-06-2008

Joined V.P.M.'s Polytechnic, Thane – 400601 on 01-08-1996 as **Lecturer**.

Achievements

□ **Contribution in lab development:**

- Actively involved in MODROB project
 - 1) Control panel for Basic electrical lab
 - 2) Induction motor fault simulator
- Developed experimental set up for various subject Electrical Measurements, Instrumentation, Electrical Machine, Electrical Circuit & Network, Power System Analysis, Testing & Maintenance of elect. Equipment
- Working as a lab in charge for Electrical Machine lab
- Actively involved in Best Lab Proposal for 2 labs which are awarded by MSBTE

□ **Major project guided:**

- Synchronization Panel for Alternators (using in Machine lab)
- Meter Test bench for calibration of meters (using in Measurement Lab)
- Single Phase Preventer using MATLAB (using in Power system lab)
- Fabrication of Air conditioning (Using for HOD Cabin)
- Vertical axis Wind Turbine (used for Energy Park)
- Floating hydro Turbine (Applied for patent)

□ **Professional Activities: Active Participation in project-**

- a) Preparation of Lab manual For Sub: 1) Electrical Measurement 2) Instrumentation 3) Industrial Machine And worked as coordinator for 6th sem I scheme manual.
- b) Curriculum revision/development for E , G scheme & I scheme and Non AICTE Courses – sub
 - 1) Testing & maintenance of Elect. Equipment
 - 2) Power System Analysis &
 - 3) Electrical technology
 - 4) Advance diploma in Renewable & sustainable Energy
- c) Sample paper preparation for sub
 - 1) Power system operation & load dispatch
 - 2) Power System Analysis
 - 3) Testing & maintenance of Elect. Equipment
- d) Preparation of Model answer for subject Power System Analysis & Power system operation & load dispatch

Papers Presented

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- Presented paper on 'Net Metering –Evolution in Solar PV System' in National conference on Advanced Technologies in Renewable Energy Technologies' held on 22 nd Dec 2017 at VPM's Polytechnic Thane
 - Presented Poster paper on M-tech Project 'Detection of Abnormal Conditions of Induction Motor by using ANN' Poster paper presentation Competition in 16th National conference on 'Next Generation Electronics' at VPM's Polytechnic Thane & received first prize for poster presentation.
 - Presented paper on 'Restructuring of Power System' in paper presentation competition arranged by TanthraUrja, B.L.Patil Polytechnic, Khopoli
 - Published a paper on 'Biogas-A gift for rural electrification system in national seminar on 'Alternative Energy sources' in 2005 Organized by V.P.M's Polytechnic, Thane on 28th August 2005
 - Presented paper on 'Energy Conservation for Electrical System' in ZENITH 2009 National conference on Recent Trends in Engineering & technology arranged by Father Agnel Polytechnic. on 31st Oct 2009

Journal Publications

- Published International paper on 'Behavior of Induction Motor at Voltage Unbalanced' in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 4 Issue 05, May-2015
- Published International paper on 'Detection of Abnormal Conditions of Induction Motor by using ANN' in International Journal of Science and Research (IJSR) Volume 4 Issue 5, May 2015

Memberships of Professional Societies

- Life Member of I.S.T.E Chapter (No. LM28059)
- Member of "The Institution of Engineers (India)"- No. M-145382/8/EL

Awards received:

- Received first prize for poster paper. Presented on M-tech Project 'Detection of Abnormal Conditions of Induction Motor by using ANN' Poster paper presentation Competition in 16th National conference on 'Next Generation Electronics' at VPM's Polytechnic Thane

- Appreciation certificate for 100% subject result acc yr 2016-17 for sub Testing & Maintenance of Electrical Equipments
- Received SAP award of Excellence with Cash prize of Rs 5000/by IIT Bombay in the 6 week FDP on "Use of ICT in Education for Online and Blended Learning" in May June 2016
- Resource: Identified as a Mentor in AICTE approved FDP by IIT, Bombay on 3rd Aug - 7th Sept 2017 & 14th Sept- 12th Oct 2017

FDP /Training/workshop attended in last 2 yr

Sr.no	Title of Training	Conducted by	Date / Duration
1.	NPTEL Courses: Completed NPTEL Online Certification Course in Electrical Machine-II	conducted By IIT Kharagpur with Elite Certification	Feb- April 2018 12 week
2.	Course Detailing workshop (6th Sem)	NITTTR, Extension Centre Pune	10th to 12th July 2018
3.	2 week FDTP on 'Implementation of Virtual lab for Polytechnics'	VPM's Polytechnic, Thane in collaboration with IIT Bombay	8th - 12th Jan 2018
4.	Training on "Awareness of Scilab"	VPM's Polytechnic, Thane in collaboration with IIT Bombay	16/8/16 and 18/8/16
5.	4 week FDP on " Use of ICT in online & Blended Learning"	IIT, Bombay in Somaiya College of Engg, Vidyavihar	2/5/2016 to 5/8/2016
6.	1 week FDP on Recent trends in Power System	TQUIP ,VJTI, Matunga	16 th May-21 st May 2016
7.	Industrial Training Program HV equipments	Technosys Pvt. Ltd, Wagle Estate, Thane	20/10/2015-21/10/2015
8.	TEQUIP 2 days workshop on Electromagnetics-	IIT Bombay	23 & 24 th Jan 2015
9.	CUTP on Progressive Electrical Systems "	Depart.ofElectr. Power System, MSBTE sponsored	17 th Dec. to 21 st Dec.2014
10.	1 week workshop on Smart grid :perspective in Cyber Securities	TQUIP ,VJTI, Matunga	13 to 17 th Jan 2014
11.	Introduction to Mat Lab applications	EPS Dept	30/7/14,31/7/14

Seminar / Conferences attended

Sr.no	Name of the Programme	Duration	Host Institute
1.	National conference on Advanced Technologies in Renewable Energy Technologies'	22 nd Dec 2017 Thane	VPM's Polytechnic Thane
2.	Continuing Education – Conference Rising Above and Beyond Excellence (2015/2016)	16 th Jan. ,20 th &27 th Feb. 2016	BRIMS Management Institute
3.	National conference on safety	16/1/16	V.P.M,S Poly
4.	International conference BHASKARA 900	21 st Sept. 2014	VidyaprasarkMandal ,Thane
5.	National Conference on Process Management Safety	5/01/2014	V.P.M'sPolytechnic
6.	National conference on Emerging Trends in Solar Technology	5/01/13	V.P.M's Polytechnic
7.	National Conference on ‘Progress through Entrepreneur & Intra pruner	15/10 /2011	V.P.M's Polytechnic
8.	Member National conference on Future Power System for Green and Clean World	20 th August 2011	V.P.M's Polytechnic
9.	National Conference on Broader Perspectives of languages, Thinking and Technology	3 rd July 2010	V.P.M's Polytechnic
10.	National Conference on “Recent trends in Engineering & Technology”	30th& 31st Oct.09	Fr. Agnel Polytechnic
11.	National Conference on Safety Practice for Peace, Productivity ,& Profit	10 th Oct. 09	V.P.M's Polytechnic
12.	National Conference on “Advancement in Medical Instrumentation”	19 th Sep 09	V.P.M's Polytechnic
13.	National Conference on “Nuclear Energy for National Development”	7 th July 09	V.P.M's Polytechnic
14.	National Conference on “Bio-matrix, RFID & Emerging Technologies for automatic	10th Jan 2009	V.P.M's Polytechnic
15.	National Conference on “Corrosion”	Oct.2008	V.P.M's Polytechnic
16.	National Conference on Nanotechnology	5 th Jan 2008	V.P.M's Polytechnic
17.	National Seminar on “Industrial Safety”	3rd Jan 2007	V.P.M's Polytechnic

18.	National Conference on Geo informatics	8 th & 9 th Dec. 06	V.P.M's Polytechnic
19.	Two days National Seminar on “ Alternative Energy Sources”	27th and 28th August 2005	V.P.M's Polytechnic.

Consultancy work

Working as a expert & reviver for confidential work with industry TCS

Mrs.R.U.Patil

Sr. Lecturer
