

1. Contact Details

**Name : Dr. Surekha R Deshmukh**

College :- Pune Vidyarthi Griha's College of Engg and Technology, Pune

Linkedin Profile :- <https://www.linkedin.com/in/dr-surekha-deshmukh-01a8213b/>

2. Designation : HEAD and Associate Professor- Electrical Engg. Dept  
DEAN- Industry Institute Interaction

3. Educational Qualifications

a. Ph. D. (Electrical Engineering), University of Pune, 2012

b. M.E. (Power Systems), University of Pune , 2002

c. B.E. (Electrical Engineering), Govt. College of Engg. , Karad, Shivaji University, 1996

4. Research Interests : Use of Artificial Intelligence, Deep Learning and Data Analytics in Smart Grid, Power System Operation and Control, Power market, Electric Vehicle, Reliability of Power System, Renewable Energy

5. Field of consultancy : Data analytics, Pricing and Risk management, Grid context aware, Artificial intelligence based control of power system operation

6. Work Experience

- Industrial : 1.5 Years
- Academic : 22 Years till date

7. **Savitribai Phule Pune University affiliated Positions and Roles**

1. **Member – Board of Studies**- Electrical Engg Dept, Faculty of Science and Technology- SPPU since 2018 for coming 5 years
2. **Member- Board of Studies Coordination Committee**-Electrical Engg, SPPU 2016-2018
3. **Member** of Local Inquiry Committee appointed by SPPU
4. **VC Nominee- Subject Expert** on UGC Interview panel
5. **VC Nominee –Reservation** on panel for PhD Candidate selection
6. SPPU recognized **PG teacher**
7. SPPU recognized **PhD guide**
8. **Chairman** of UG and PG subjects
9. External Examiner for evaluation of M.Tech thesis for Bharati Vidyapeeth's Deemed University, Sholapur University.

8. **Awards and Achievements**

- **First rank** in State level Competition of Industrial and Research Projects for Faculty Members, Dipex 2013, during 6-13 March 2013, Pune, participated under Ph.D category. The prize includes Rs. 50,000/- and certificate.
- **First Prize** under Ph.D Category at Maharashtra State Inter University Research Competition 'Avishkar-2011-2012', held during 13th -15th Jan 2012 at Shivaji University, Kolhapur, organized by Association of Indian Universities (AIU) and represented Pune University.
- **First Prize** for Paper Presentation Contest at Annual Paper Meet, at Institution of Engineers (I), PLC, Pune November 2011.
- **First rank** at Pune University at ME- Power System 2002

- **Gold medal** in Biology in 12<sup>th</sup> standard (HSC)
- **Secured board rank** at 10<sup>th</sup> standard (SSC)

#### 9. Reviewer at Technical Journals and Conferences

- IEEE PES Letter
- **International Journal** TEGS-Technology and Economics of Smart Grids and Sustainable Energy
- **International Journal** of Emerging Electric Power Systems, The Berkeley Electronic Press, Berkeley, CA.
- **Journal** of the Institution of Engineers India, Series B, ISSN 2250-2106, Springer.
- **IEEE sponsored conferences** since 2012  
IEEE ICIC 2015, IEEE WIECON 2018, 2019, 2017, 2016, ICPS 2017 -7th International Conference On Power Systems, 2017, INDICON 2014, 2015 by IEEE India Council

#### 10. Professional Membership

- Member of Institute of Electrical and Electronics Engineers (IEEE)
- Member of Institution of Engineers (IEI)
- Member of ISTE Indian Society of Technical Education (ISTE)
- Member of working group of IEEMA

#### 11. Contribution at IEEE as officer bearer :- Active member since year 2000

- **Chair-** PES/IAS Chapter, IEEE Pune Section (2019 onwards)
- **Member of IEEE Special Interest Group (SIG)** on Affordable Agriculture, Pune Section since 2018
- **Treasurer** –IEEE Pune Section ( 2017 and 2018)
- **Secretary**-IEEE Pune Section (2015 and 2016)
- **Proposer and Chair**-Young Professional Affinity Group – IEEE Pune Section since 2016, 2017 and 2018. Vice Chair -2019
- **Member of IEEE Standards Association** and working on IEEE standards in Power and Energy domain since 2015
  - Chair- Finance Team –IEEE PUNECON 2018
  - Member of IEEE Education Society
  - Chair-Organizing Committee- IEEE WIECON ECE 2016
  - Member of Women in Engineering since last 5 years
  - **Signatory of MOU of IEEE Pune Section with Pune Municipal Corporation (PMC)** on Smart City, Pune is selected as Affiliated City to IEEE Smart City Initiative, USA. (2016 onwards )
  - **Reviewer** of many IEEE Journals and Conferences
  - Instrumental in organizing IEEE Conferences, Workshops, Seminars, training models etc.
  - Contribution as a Resource Person, Session Chair, Organizing Chair at many IEEE Conferences and Workshops, Panel discussion
  - Visited countries like Italy, Singapore, Malaysia, Sri-Lanka, Bangkok, Bali, Macau , China and various cities in India as Tutorial Speaker, Professional Resource

Person, Session Chair at IEEE platforms.

- **Contribution at PUNE SMART CITY** :- Member of working group on Standards Association for smart cities,
  - Member of working group on Pune Smart Distribution Grid along with PMC, MSEDCL, India smart grid forum.
  - Presented Tutorial on India’s View on Smart City at IEEE International Smart Cities Conference at Trento, Italy, 12<sup>th</sup>- 15<sup>th</sup> Sept 2016.

Dr Surekha has very strong participation at Industry Forum as Indian Smart Grid Forum, Barclays, NASSCOM, and Confederation of Indian Industries (CII).

12. **Research Domain:** - Expert in Use of Artificial Intelligent Tools and Data Mining tools for Smart Power System Stability, Operation and Control and Trading of Power.

<b>Research Proposals</b>	Design and Development of Intelligent Load-Priority Selection System of Smart Grid Campus	Sanctioned BCUD Project 2016-18	Rs 11,30,000/-	<b>OUTCOME</b> -Three UG Projects -One PG project -Three research papers at International Conferences -Avishkar Competition- Participation
	Real and Reactive Power Optimization and Pricing under Deregulated Environment in India	BCUD 2007-08	Rs500,000/-	<b>OUTCOME</b> -Three papers

13. **Research Publications and Citations:** -

**More than 35 research papers** till date published at various IEEE conferences and Journals. Paper are available at IEEE Explore with around 80 citations

14. **Member of working group of India Smart Grid Forum (ISGF), Govt of India**

As a member of ISGF - Govt of India , Presented the findings on “Load Dynamics and Development of Load Priority System” at India Smart Grid Forum (ISGF) Week, Advances in Smart City , during 6<sup>th</sup> March- 10<sup>th</sup> Mach 2017 at Manekshaw Center , New Delhi.

15. Since last 20 years , Working as **Technical Resource Person, Organizing Chair, Convener, Session Chair , member of Organizing/Technical committee** at IEEE International Conferences, Symposia, Workshops , seminars and trainings as few examples

- **IEEE WIECON- ECE 2019, 2018, 2017,, 2016,**

- IEEE R 10 TENSYPMP 2017
- India Smart Grid Forum (ISGF) Week 2017
- IEEE International Conference on Data Management, Analytics and Innovation ICDMAI 2016, 2019
- IEEE Second International Smart Cities conference 2016
- IEEE WIE International Summit 2016

**Dr Surekha Rajendra Deshmukh**

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