

## RESUME

**Name:** Dr. Meeta Gandhi



### **Academic Qualifications:**

- Ph. D. in Technology (Mechanical Engineering)  
University of Mumbai.  
Year of obtaining the Degree: 2019
- M.E. Mechanical - Sardar Vallabhbhai National Institute of Technology; Surat.  
Year of Passing: 2000  
Percentage Obtained: 73.5%, First Class with Distinction; 1<sup>st</sup> in University  
Specialization in Industrial Refrigeration and Air conditioning.
- B.E. Mechanical – Sardar Vallabhbhai National Institute of Technology; Surat.  
Year of Passing: 1996  
Percentage Obtained: 78.2%, First Class with Distinction.

### **Work Experience: 25 yrs**

- Assistant Professor in Mechanical Engineering; Dwarkadas J. Sanghvi College of Engineering from September 2021 till date.
- Assistant Professor in Production Engineering; Dwarkadas J. Sanghvi College of Engineering from July 2007 to August 2021
- Lecturer in Mechanical Engineering; K.J.Somaiya College of Engineering from July 2000 to July 2007.
- Lecturer in Engineering Graphics; Institute of Technology for Women; SNTD University; Mumbai from March 1999 to June 2000.
- Lecturer in Mechanical Engineering; Sarvajanic College of Engineering & Technology; Surat from June 1997 to February 1999.
- Lecturer in Sardar Vallabhbhai Regional College of Engineering & Technology; Surat; from September 1996 to June 1997.

### **Awards:**

September 2006, awarded “**Excellence in Teaching**” by Student Council 2006-2007 of K.J.Somaiya College of Engineering.

### **Recognition:**

Recognized as teacher of University of Mumbai for Masters of Mechanical Engineering degree (June 2014).

### **Membership of Professional Bodies:**

- Life member of Indian Society of Technical Education.
- Life member of Indian Society of Heating Refrigerating and Air conditioning Engineers, Mumbai Chapter.
- Life member of Indian Society of Manufacturing Engineers.

### **Co-ordination of Professional Course:**

Co-ordinated and conducted a Post Graduate Diploma Course in Refrigeration and Air-conditioning in association with M/s Voltas Ltd at K. J. Somaiya College of Engineering from April 2001 to March 2002.

### **Publications:**

An International paper on “Phasor Analysis for Double Inlet Pulse Tube Cryocooler” was accepted for presentation at the International Cryogenic Engineering Conference and International Cryogenic Materials Conference held at Montreal, Canada from 12<sup>th</sup> July to 16<sup>th</sup> July 1999.

Presented a technical paper “Cooling Coil Design and performance Evaluation” at National Conference on Advances in Mechanical Engineering held at MCT’S Rajiv Gandhi Institute of Technology, Mumbai from 15<sup>th</sup> Jan and 16<sup>th</sup> Jan 2009.

Presented a paper on “Thermal Power Generation and Energy Savings for Industrial Boilers” at 20<sup>th</sup> national and 9<sup>th</sup> International ISHMT-ASME Heat and Mass Transfer Conference organized by IIT Bombay on 4<sup>th</sup> January to 6<sup>th</sup> January 2010.

Published a paper on “Green Supply Chain management Practices in Automobile Industry”, in Industrial Engineering Journal, Vol IX, issue no.4, pg no 6-11, April 2016.

Published a paper on “Application of Taguchi Grey Relational Analysis to optimize the process parameters in wire electrical discharge machine”, in International Journal of Innovative Science, Engineering & Technology, Vol. 3 Issue 7, July 2016.

Presented a paper on “A review and proposed framework of the generic approach for organizational performance measurement in Green Supply Chain Management” in International Conference on Big Data Analytics for Optimizing Supply Chain organized by SPJIMR in collaboration with India POMS Chapter from 29<sup>th</sup> – 30<sup>th</sup> July, 2016.

Presented a paper on “ Understanding the benefits of Green Supply Chain Management and the Framework for a Generic Approach in Measuring the Organizational Performance” in 4<sup>th</sup> International Conference on Industrial Engineering (ICIE-2017), organized by Department of Mechanical Engineering, S. V. national institute of Technology, Surat from 21<sup>st</sup> to 23<sup>rd</sup> December, 2017.

Published a paper on “Green Supply Chain Management Practices and its Impact on Business Performance”, in “Lecture notes in Mechanical Engineering” Published by Springer Singapore, (Proceedings of International Conference on Intelligent Manufacturing and Automation ICIMA 2018).

Published a paper on “Evaluating GSCM Practice–Performance Relationship in Chemical, Textile and Rubber/Plastic SMEs in India”, in “Lecture notes in Mechanical Engineering” Published by Springer Singapore, (Proceedings of International Conference on Intelligent Manufacturing and Automation ICIMA 2020).

## **Short Term Training Programs & Faculty Development Programs:**

Kaizen, (28<sup>th</sup> Nov to 10<sup>th</sup> Dec 2002) organised by K J Somaiya Polytechnic, Mumbai.  
New horizons in Engineering Materials, (23<sup>rd</sup> June to 4<sup>th</sup> July 2008) organized by D J Sanghvi College of Engineering, Mumbai.

Renewable Energy Systems & Technology (29<sup>th</sup> June to 03<sup>rd</sup> July 2009) organized by K J Somaiya College of Engineering, Mumbai.

Manufacturing Processes & Sytems: An IT Perspective, (6<sup>th</sup> July to 10<sup>th</sup> July 2009) organized by Department of Mechanical Engineering and Information Technology, K J Somaiya College of Engineering, Mumbai.

Energy Conservation, Management and Audit, (21<sup>st</sup> Dec to 25<sup>th</sup> Dec 2009) organized by Sardar Vallabhbhai National Institute of Technology, Surat.

Advances in Thermal Engineering, (21<sup>st</sup> June to 25<sup>th</sup> June 2010) organized by Rajiv Gandhi Institute of Technology in collaboration with Reliance Energy (Dhanu).

Contemporaneous Pedagogy for Trainer Empowerment, (8<sup>th</sup> Nov to 18<sup>th</sup> Nov 2011) organized by Thadomal Sahani College of Engineering, Mumbai.

Object Orientation as a Problem Solving/ Research Methodology, (12<sup>th</sup> Dec to 23<sup>rd</sup> Dec 2011) organized by Thadomal Sahani College of Engineering, Mumbai.

A Faculty Development Program covering various aspects of Industry Institute Interaction organized by D J Sanghvi College of Engineering, Mumbai in following industries:

1. Mutual Engineering Pvt. Ltd., Vasai, (28<sup>th</sup> & 29<sup>th</sup> of November 2018).
2. Mutual Automotive Pvt. Ltd., Pune, (01<sup>st</sup> December 2018).
3. Mahindra & Mahindra (Automotive Division), Kandivali, (10<sup>th</sup> December 2018).
4. Designcell CAD-CAM Solutions Pvt. Ltd., Vasai, (05<sup>th</sup> January 2019).

A Faculty Development Program on Active Teaching Learning Strategies Using Innovative Technology, (25<sup>th</sup> and 26<sup>th</sup> February, 2019) organised by D J Sanghvi College of Engineering, Mumbai.

A Faculty Development Program on Python 3.4.3 Training (3<sup>rd</sup> to 7<sup>th</sup> May, 2020) organized by The Spoken Tutorial Project, IIT Bombay & Dwarkadas J. Sanghvi College of Engineering, Mumbai.

A Faculty Development Program on Scilab (11<sup>th</sup> to 15<sup>th</sup> May, 2020) organized by The Spoken Tutorial Project, IIT Bombay & Dwarkadas J. Sanghvi College of Engineering, Mumbai.

A Faculty Development Program on Innovation, Entrepreneur and it's Relevance in Industry 4.0 (25<sup>th</sup> to 29<sup>th</sup> May, 2020) organized by Terna College of Engineering, Mumbai.

A Faculty Development Program on A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19 (9<sup>th</sup> to 13<sup>th</sup> June, 2020) organized by D J Sanghvi College of Engineering, Mumbai.

A Faculty Development Program on Improving Teaching Learning Experience using Best

Practices (15<sup>th</sup> to 19<sup>th</sup> June, 2020) organized by D J Sanghvi College of Engineering, Mumbai.

**Courses done:**

Learning to Teach Online, from Coursera

Assessment in Higher Education: Professional Development for Teachers, from Coursera

Base SAS from SAS India

SAS Visual Analytics from SAS India

Applied Analytics Using SAS (R) Enterprise Miner (TM) from SAS India

**Responsibilities handled in the Institute**

Worked as a member of

- Admission Committee
- Library Committee
- Grievance and Unfair Means Committee
- Women's Development Cell
- Emergency Response Team
- Anti Ragging Committee
- Exam Committee
- Vigilance and Monitoring of Regularity and Punctuality of Classes Committee
- Time Table Committee
- Cultural Committee
- SAE Faculty Advisor
- ISHRAE Faculty Advisor
- Autonomy Core Committee
- Compiling of Monthly Reports
- Class In-charge
- Alumni Committee