



# MANISHA YADAV

SENIOR INDUSTRIAL ENGINEER

## CONTACT

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## SKILLS

- Work Measurement using MODAPTS & Stopwatch Time Study
- Productivity Improvement
- Manpower Planning & Budgeting
- Project Management
- Six Sigma Green Belt
- Kaizen
- Process Excellence
- Supply Chain Optimization
- New Program Launch
- Value Analysis & Value Engineering
- Ergonomics
- Skill & Capability building
- Training & Development

## TRAININGS

- Line balancing, 5S & Kaizen
- Internal trainers at Schneider Electric
- Front-Line Managers – Schneider Electric India Pvt. Ltd.
- Front Line Leadership Development for Process Coach, Ford Motor Company
- Ergonomics tools, Ergo Web
- Safety, TML& Ford Motor Company
- Management Tools, Harvard Management Mentor

## SUMMARY

Professional with more than 5+ years of experience in Industrial Engineering, Operation Excellence, Lean Manufacturing & HR. A motivator with great interpersonal skills who can keep calm and achieve best results in under pressure situation with teamwork, dedication and confidence.

## EXPERIENCE

**Senior Industrial Engineer** **Feb 2019 to Present**  
**Ford India Pvt. Ltd. (Ford Motor Company)**

- Work measurement using MODAPTS and stopwatch time study to establish and validate data time study data for various manufacturing functions, Quality & Supply Chain.
- Manpower planning & budgeting based on business requirement due to work pattern changes, New Program Launch, Capacity Planning etc.
- Identify and Lead manpower efficiency improvement projects to achieve CPU target using Kaizen, Six Sigma GB, Layout Improvement, methodization, line balancing, NVA reduction etc.
- Process allocation and improvement for various areas such as Engine Assembly, Engine Machining and Support functions.
- Ergonomics Analysis & improvement using different tools such as Ergo RX and EST
- New program manpower and process planning and support team to implement changes.

**Industrial Engineering Specialist** **Jul 2016 to Jan 2019**  
**Schneider Electric India Pvt. Ltd.**

- Work measurement using MTM, implemented M & MOP in Foundry, Engine & vehicle Assembly.
- Productivity monitoring and improvement using Line Balancing, NVA reduction, Layout Improvement, Capacity enhancement.
- Calculating and increasing productivity through combined work steps, eliminating non-value-added activities and the development of effective work practices.
- Identify opportunity and work out VAVE ideas and implement the same with the help of CFT.
- Digitization of work content data.
- Evaluate work zone for safety, ergonomic concerns and performance criteria Implemented Skill Gap analysis tool and used the same for capability building.
- Support plant to achieved world class quality by standardization & continuous improvement.

## EDUCATION

**B.E.- MECHANICAL ENGINEERING** **Aug 2012-May 2016**  
**Madhav Institute of Technology & Science (MITS)**  
Gold Medalist with 8.23 CGPA

## AWARDS

- Best Continuous Improvement Idea- India – 2017, Schneider Electric India Pvt. Ltd
- Schneider Electric Learning Champion, 2017 & 2018, Schneider Electric India Pvt. Ltd.
- Internal Trainer of the year -2019, Schneider Electric India Pvt. Ltd.
- Asia Pacific Recognition Award - 2019 - 2 Awards, Ford India Pvt. Ltd.
- Asia Pacific Recognition Award -2020 - 2 Awards, Ford India Pvt. Ltd.
- President Health & Safety Award - 2019, 2020, Ford India Pvt. Ltd
- Asia Pacific Recognition Award - 2021, Ford India Pvt. Ltd
- Go Further Award -2021, Ford India Pvt. Ltd

## PROJECTS

### **Ford India Pvt. Ltd.**

**Feb 2019 to Present**

- Flexi Operating Pattern Improvement in Machine Shop for 2nd Shift Operation with a total Cost saving of \$5000/year. Total Reduction of 9 Headcounts of 2nd Crew. Over Head Cost saving included.
  - Estimated work content using MODAPTS for all stations of Engine Assembly (200+ stations completed, 315+ HC)
  - Implemented paperless manpower approval system using Docusign.
  - Planning YoY Capacity Planning for the optimized Operating Pattern to reduce the hiring cost and other cost for the plant—decide the Shift Pattern- Time Pattern & working days for the plant. Correlate the shift pattern with the RTO (Required to Operate) Headcounts.
  - Maintain HPU/CPU database (Creating the 5-year roadmap for HPU Efficiencies and headcount walk.)
  - Handling the Headcounts of Assembly, Machine Shop, MP&L, Quality, and other Departments in PTO
  - Lead and drive projects to achieve HC efficiency
1. 2019- 37 headcounts (15% YoY efficiency wrt to actual target of 7.5%)
  2. 2020- 10 headcounts (3.5% YoY efficiency wrt to actual target of 3.5%)
  3. 2021- 5 headcounts (1.5% YoY efficiency wrt to actual target of 1.5%)

### **Schneider Electric India Pvt. Ltd.**

**Jul 2016 to Jan 2019**

- Increased the capacity utilization of VCB Mechanism by line balancing & Material flow improvements.
- Improved the cycle time of PCOB breaker by eliminating the debottlenecking, line balancing & Material flow improvements.
- Designed 150+ customized trolley for the lines to improve material handling & process flow.
- Designed the Training & Development plan and Trained over 400 people.
- Trained operators in English and presentation skills
- Won 10+ recognition awards
- criteria Implemented Skill Gap analysis tool and used the same for capability building.
- Support plant to achieved world class quality by standardization & continuous improvement.