

Bipin Yadu

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Work

- **Lean Consultant** 2018
Gemba Concepts *Bengaluru, India*
 - Overall Productivity Improvement, Business Excellence Systems, TPM

Skills

- TPM tools installation.
- PDCA implementation.
- OEE Dashboard through devised formats for Data Capturing.
- Proficient in creating Excel Data Models for Data Visualization and reconciliation.
- Design and Implementation of Resource Allocation Systems.
- Device Autonomous Maintenance Check-lists and Schedules.
- Proficient in developing Mathematical Models.
- Meta-heuristics like Genetic Algorithm and Swarm Intelligence.
- Experienced in MATLAB coding.
- Familiar with C++ and Python.
- Experienced in documentation using \LaTeX .

Education

- **Master of Technology** (Industrial Engineering and Management) 2014-2016
National Institute of Technology Raipur *Raipur, India*
 - THESIS TITLE: Multi-Objective Process Planning and Scheduling with Resource Allocation using Multi-Objective Particle Swarm Optimization
 - GUIDE: Dr. A. R. Singh
- **Bachelor of Engineering** (Mechanical Engineering) 2009 - 2013
Bhilai Institute of Technology *Durg, India*
 - Graduated in Ist Divison

Industrial Training and Project Experience

- Design of a Process Plan and Schedule for jobs at a Shop-floor arrangement with Multiple Machines
 - Identification of factors affecting shop-floor activity and setting up process parameters.
 - Formulation of a Mathematical Model using process parameters to describe the problem.
 - Selection of a Swarm Intelligence Approach and generating MATLAB codes to generate an optimum schedule for jobs.

- Wagon Repair Shop, Raipur
 - Study of the disassembly line at a conventional Wagon Repair Shop.
 - Study of Non-destructive Quality Assurance techniques.
- Bhilai Steel Plant, Bhilai
 - Study of Steel Melting Process at Steel Melting Shop(SMS-1) in the Twin-Hearth Furnace.
 - Study of Rollers repair techniques at Roll Repair and Turning Shop.
 - Following of flow process of manufacturing of Rails through Blooms at Rail Mill.

Workshops

Optimization Techniques for Solving Engineering and Management Problems (IIIT-DM, Jabalpur) March,2016
 Multi-Criteria Decision Making (N.I.T. Raipur) April,2015

Field of Interests

Process Planning, Optimization Algorithms, Supply Chain Networks, Six Sigma, Data Analysis, Operations
 Research and Industrial Economics

Profile

I am humble in interaction and have a passion for learning. I am a Mechanical Engineer who can code in **C++**, **MATLAB** and **Python**. I have also worked extensively with large data sets in **Excel** and have a good command over **Data Visualization** techniques, manipulation and **Solvers**. I am also good in writing **Reports and Applications**. In future, I would like to get a Ph.D and shape my career in the field of Research in my area of interest.

Personal Details

NAME: BIPIN YADU
 D.O.B. : December 1, 1989
 Marital
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