

# Aditya Kumar Mishra

## Senior Engineer

### Contact

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Address:

Hyderabad, Telangana, India

### Expertise

- **Customer Specific Tools** (MES, HVC, SWES, VPPA, CAPP+, PLEX, MCS, AIS)
- Vis-mock up Teamcenter
- Adobe Photoshop
- AutoCAD

### Education

<b>DME (Diploma in Mechanical Engineering)</b>	<b>73.45%</b>
<b>Senior Secondary School</b>	
<b>U.P. Board</b>	<b>58.0%</b>
<b>Junior Secondary School</b>	
<b>U.P. Board</b>	<b>69.8%</b>

### Achievements:

- **Achieved Team Deming prize** (Chassis shop Ashok Leyland PANTNAGER) quality awards
- **Best team of the year-2016** on the successful completion of 60000+ NPI's with good quality and for additional revenue generation.

Highly-effective and goal-oriented senior engineer with 7+ years of industry experience in Manufacturing Engineering, Industrial Engineering & Engineering Chain Management. Seeking to ignite growth & Skills in Career with highly experienced team

### Areas of Excellence

- **7+ Years of experience in Manufacturing Process Planning, ECM, Industrial Engineering & Project Management**
- **Manufacturing Process Planning, Documentation & SWES/SWI preparation**
- **Engineering Change Documentation (ECM) and BOM Validation**
- **MBOM Creation, Setting Torque Values, Visual aids**
- **Preparing PFMEA & control plans for NPI engines**
- **Manufacturing Process Planning for new Products, Flow study, Grief resolution**
- **Assembly Validation through Vis-Mock-up tool**
- **Layout optimization and update with AutoCAD**
- **Supervises in Project Management and Resource Planning**
- **Implementing Quality Management System and ensuring adherence to the Same**

### Experience

#### ○ Axiscades Technologies Ltd, Hyderabad

Senior Engineer

December, 2016- Present

#### Engineering change management:

Part of process planning, this activity precedes creation of operations. ECM activity includes tracking and documenting engineering changes occurring in client's engines for all releases, changes, note changes, deletion

- Creation of technical specification control plans.
- Creation of operation description and documentation of bill of material (BOM) & its Parts location, Quantity.
- This activity is undertaken in consultation with the onsite client and using client's database with study of various drawings, Teamcenter JT files, MCS and ECN.

#### Manufacturing Process Planning:

Responsible for process planning of Assembly operations of CAT Transmissions, in VPPA environment with the aid of platforms such as CAPP+, HVC & MCS.

# Academic Project

## Advance Air Cooler

Air cooler & its electrical system was upgraded to support manual gestures like clapping on/off & remote sensing as well.

## Soft Skills

- Leadership
- Decision Making
- Problem Solving
- Active Listening
- Teamwork
- Strong Work Ethic

## Interests & Hobbies

- Listening Music
- Travelling
- Binge Watching

## Personal Details

Father's Name: Late Nagendra Kumar Mishra

Mother's Name: Rita Mishra

## Languages

- English
- Hindi

- To plan and prepare new assembly sequence by analyzing and referring suitable existing documentation and updating the sequence of operations into VPPA by using Teamcenter PLM
- Responsible for creation of visual aids for assembly operations of the CAT Transmissions.
- Documentation of Assembly Process for Various Motor Grader Models using VPP/A

### Process Documentation:

Part of process planning, this activity precedes creation of Assembly operations, workstations, Process steps, Bill of material with respect to EAC's (engine arrangement core)

Setting torque Value: Setting torque value for fasteners and fittings for all assembly operations using caterpillar standard spec. sheet.

Sequencing of event: Defining the Process Assembly sequence

SOP: Prepare Standard operating procedures & additional reference material for knowledge sharing

Virtual Build: 2D Visual aids creation for assembly process support using 3D model.

Visual Aids: Creation of Assembly visual aids for reman engines assembly operations on the shop floor for Caterpillar's plant in Corinth, USA. Operation images are created by converting three dimension solid models to two dimension images.

Analysis is done by using client's database like assembly drawings and assembly information system. Images are then created by assembling Solid models using relevant software and Giving link in MES for Visual and Cross check in MESA system in shop floor Review of production done by offshore team and collect actual performance data.

### ○ Ashok Leyland, Sidkul, Rudrapur, U.K

Engineer (Production)

August, 2015- Novemeber-2016

- Co-ordination daily shortage meetings to support planning activities.
- Ensure that the vehicles are producing as per process sheets and work guideline charts.
- Operations support – Shop support for regular production and NPIs.
- Rework specialist – repairs work on NPIs, or regular machines held for quality issues.
- Documenting quality issues and providing feedback for the improvements.