

Babasaheb Thete *ME, BE, Dip. (Mechanical)*

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EXECUTIVE PROFILE

Master in Mechanical Engineering with 16 years of overall experience in Product Development, Project Management, Product support executive, manufacturing engineering with leading organizations. Excellent Hands in the New product development, Continuous improvement, Value engineering, Application Engineering, Customer relationship management. Ability to single handle projects. Excellent oral and written Communication.

PROFESSIONAL BACKGROUND

Senior Manager, R&D
Greaves Cotton Ltd.

July 2018 – Till Date
Pune, MH

- Application study and change management.
- Benchmark study of engines for different applications.
- Handling projects independently. Preparation of project tracker and deciding timelines.
- Selection of components and design of engine sub systems.
- Handling VAVE projects.
- Engine certification from test agencies like IRS, ARAI
- Field Failure analysis.
- Product quality improvements.

Manager, Product Engineering & Validation
Cooper Corporation Pvt. Ltd.,

April 2017 – July 2018
Satara, MH

- Handling complete engine testing and development activities.
- Preparation of DVVPs for Diesel, Natural Gas engines. Test Matrix preparation.
- Performance and emission optimization, Engine certification and homologation.
- Engine development with mechanical and electronic fuel injection systems.
- Deciding emission strategies for Future emissions like BS-VI for vehicular applications and BS-IV for off highway applications.
- Selection and integration of recent emission solutions like Catcon, DOC, DPF, SCR to meet stringent emission norms.

- Engine Test Facility upgradation for upcoming emission norms and suitable to emission test cycles as per standards.
- Field failure analysis for :
 1. Common Rail Direct Injection (CRDI) engines.
 2. Engine performance issues like exhaust gas emissions (e.g. excessive smoke), Engine not taking load, High fuel consumption, Governing, Leakages in different engine sub-systems, Oil Circuit, Cooling Package etc.
 3. Turbocharger failure, Fuel injection equipment issues.
 4. Functional issues like noise ,vibration
 5. Component failures like 5Cs and other critical parts.
 6. DFMEA
 7. Failure report preparation in 8D format and releasing of CAPA.

Manager, R&D

2006 - 2014

Greaves Cotton Ltd (Diesel Engines Unit),

Pune, MH

- Handling complete engine testing and development activities. Worked as a Team Member in execution/commissioning of new test facilities. 5S implementation in Test shop.
- Engine Emission optimization to meet applicable emission norms. Handling Engine Testing and homologation.
- Created engine test procedures for Genset and Industrial applications. New product launch through product life cycle management (PLM). Single point contact between R&D and customer both internal and external.
- Expertise in Source approval for the components like Turbo charger, Radiator, Oil cooler, Heat Exchanger, Cooling Package, Fuel injection equipments, Valve seals, Engine cylinder valves, 5Cs.
- "Project-Propel" award winner for implementation of cost saving ideas. Cost saving through VA/VE for the components like Charge air cooler, Oil cooler, Cam shaft, Oil pan, Crankcase.
- Part of engine development for defence applications like power generation, trailer mounted gensets, BMP-II projects.
- New product validation for off highway applications like transit mixer, Vibratory compactor, Concrete pump, Backhoe loader, Combine harvesters etc.
- Engine testing and development for Marine, Tractor applications. IRS certifications.
- Attended field complaints for Industrial applications and suggested improvements. Product development/improvements through VOC (voice of customer).

Service Advisor**2001 to 2006****Wasan Automobiles, Channel Partner of Bajaj Auto Ltd.,****Nashik, MH**

- Work allocation to technicians.
- Handling Customer Complaints.
- Handling Warranty claims.
- Trouble shooting.
- Carry out the maintenance activities and providing required solutions for the vehicles, particularly accidental vehicles.
- Vehicle history and Service record management.
- Active customer feedback to company.
- Active participation in product development meetings.

Trainee Officer**2000 to 2001****Mahindra & Mahindra Ltd. (Tractor Division)****Nagpur, MH**

- Testing of 2, 3 and 4 cylinders DI Engines with hydraulic dynamometer.
- Checking for speed and torque at various loading conditions
- Rectification of minor assembly faults during engine testing.
- Ensuring for the engine without any leakage.
- Correct setting of firing.
- Control over exhaust emissions.
- Sub-assembly of various engine components.
- Complete assembly of engine in various stages.
- Implementation of Kaizen and 5S techniques.
- Enhanced productivity by reducing rejection and downtime.
- Engine test cycle time reduction by different methods.

EDUCATION

ME Mechanical (Heat Power)

Pune University.

First class

BE Mechanical

Pune University.

First class

DME

Govt. Poly. Nashik.

Distinction

PUBLICATIONS

- Design and Development of low cost blow by meter.
- Thermo- Mechanical analysis of thermal gradient for cylinder liner of multicylinder diesel engine
- Seminar delivered on CRDI Engines.
- Seminar Delivered on “Solar Thermal cooling”
- Seminar Delivered on “Adsorption Refrigeration powered by solar energy”
- Paper presented: Establishment of empirical relationship between inner and outer diameter of engine cylinder liner by using regression analysis.
- Paper presented: Simulation of engine cylinder liner temperature from coolant side.

TRAINING

- One week training on two-wheeler assembly at Bajaj Auto, Pune.
- Three days training on data acquisition and test data management at iASYS Technologies, Pune.
- One week training on rotary fuel injection pump at Stanadyne amalgamations private limited, Chennai
- Three days in-house training on Ricardo Wave- simulation software.
- Two days in-house training on 5S implementation

HONORS

- “Project Propel” Award winner for implementation of cost saving ideas.
- Test Lab. certification and matching the results with ARAI within 3%.

TALENT

- Can take control on situation and expand vision

VOLUNTEER

- Part of erection and establishment of new R&D Test Lab.
- Implemented Kaizen and 5S techniques.