



PERTECNCA'S

FOUR WHEELER MECHANIC TRAINING BROCHURE



Practical training



Post training assistance

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FOUR WHEELER MECHANIC TRAINING

The Four-Wheeler Mechanic Training Program is a comprehensive course designed for aspiring mechanics who want to specialize in the repair, maintenance, and servicing of four-wheeler vehicles. This hands-on course covers essential mechanical, electrical, and diagnostic skills required to become a proficient four-wheeler mechanic. The program is tailored to provide real-world knowledge through practical sessions in a workshop environment, giving trainees a strong foundation for a successful career in the automotive industry.

What you'll learn?

- Basics of four-wheeler vehicle systems and components.
- Engine repair and overhaul techniques.
- Transmission system servicing (manual and automatic).
- Brake system troubleshooting and maintenance.
- Car electrical system diagnostics and repairs.
- Cooling and lubrication system repair and maintenance.
- Use of diagnostic tools and software for troubleshooting.
- Routine car service and preventive maintenance techniques.

Course summary:

This training program equips participants with the technical know-how to diagnose, repair, and maintain four-wheel vehicles, including engines, transmission systems, brakes, and electrical systems. With an emphasis on hands-on learning, the course prepares individuals for various roles in the automotive repair industry. Key takeaways include:

- **Practical Knowledge:** Extensive hands-on training in a real-world workshop environment.
- **Comprehensive Skills:** Focus on both mechanical and electrical aspects of vehicle repair.
- **Diagnostic Expertise:** Learn to use advanced diagnostic tools for effective troubleshooting.
- **Career Flexibility:** Opens up opportunities in automotive workshops, service centers, and dealerships.

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Course syllabus:

Module 1: Introduction to Four-Wheeler Systems

- Overview of vehicle systems (engine, transmission, electrical).
- Safety procedures in the workshop.
- Practical session: Familiarizing with car components and tools.

Module 2: Engine Repair & Overhaul

- Four-wheeler engine components and functionality.
- Troubleshooting and repairing engine issues.
- Practical session: Engine disassembly and reassembly.

Module 3: Transmission Systems (Manual & Automatic)

- Understanding manual and automatic transmission systems.
- Gearbox maintenance and repair techniques.
- Practical session: Servicing transmission systems.

Module 4: Electrical System Diagnostics

- Car wiring, lighting, and electrical circuits.
- Diagnosing and repairing electrical faults.
- Practical session: Electrical system troubleshooting.

Module 5: Brake System Repair

- Servicing disc, drum, and ABS brakes.
- Fluid changes and brake pad replacements.
- Practical session: Complete brake system servicing.

Module 6: Suspension & Steering System

- Understanding suspension types and steering mechanisms.
- Diagnosing and repairing suspension issues.
- Practical session: Suspension system maintenance.

Module 7: Cooling & Lubrication Systems

- Radiator, water pump, and oil system repair.
- Troubleshooting overheating and lubrication issues.
- Practical session: Cooling system servicing.

Module 8: Diagnostic Tools & Software

- Use of advanced diagnostic tools for engine and electrical systems.
- Practical session: Real-time vehicle diagnostics.

Module 9: Routine Maintenance & Servicing

- Performing full car maintenance checks.
- Oil changes, filter replacements, tire service.
- Practical session: Conducting a routine service on a four-wheeler.

Module 10: Advanced Engine Performance

- Diagnosing performance issues using advanced diagnostic tools.
- Practical session: Engine tuning and performance optimization.

Module 11: Evaluation and Certification

- Comprehensive assessment of theoretical and practical knowledge.
- Written exams covering electric bike repair and maintenance.
- Practical exams involving diagnostic and repair tasks.
- Certification awarded upon successful course completion.
- Career guidance and industry opportunities.

Practical training:

- Engine repair and maintenance: Troubleshooting engine problems.
- Transmission system: Servicing manual and automatic gearboxes.
- Brake system: Diagnosing and repairing disc and drum brakes.
- Suspension and steering: Servicing and repairing suspension systems.
- Electrical repairs: Diagnosing wiring, battery, and ignition issues.
- Cooling system maintenance: Radiator and water pump servicing.
- Vehicle diagnostics: Using tools and software for troubleshooting.
- Routine servicing: Oil changes, filter replacements, and tire servicing.

Career scope:

Upon completing the Four wheeler mechanic training course, graduates can explore career opportunities in various sectors, including:

- Four-Wheeler Mechanic
- Automotive Service Technician
- Workshop Technician
- Diagnostic Specialist
- Car Repair Consultant
- Freelance Mechanic
- Automotive Service Advisor
- Fleet Maintenance Technician
- Car Maintenance Supervisor
- Technical Advisor in Dealerships



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