



PERTECNCA'S

SCOOTER TECHNICIAN TRAINING BROCHURE



Practical training



Post training assistance

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SCOOTER TECHNICIAN TRAINING

The Scooter Technician Training Program is crafted to equip aspiring mechanics with the knowledge and practical skills to diagnose, repair, and maintain scooters. This course covers both conventional petrol-driven scooters and electric models, ensuring students are prepared for the evolving scooter market. With hands-on training in engine maintenance, electrical systems, and safety protocols, participants will become proficient scooter mechanics ready to work in workshops or start their own service centers.

What you'll learn?

- Fundamentals of scooter engines and drivetrains.
- Diagnosing and repairing scooter electrical systems.
- Carburetor tuning, fuel injection systems, and engine troubleshooting.
- Understanding suspension, braking systems, and steering mechanics.
- Repair and maintenance of exhaust systems and emission controls.
- Battery and charging system diagnostics for electric scooters.
- Bodywork repair and scooter customization techniques.
- Best practices for safety checks and road testing.

Course summary:

The Scooter Technician Training Program offers comprehensive training to ensure a deep understanding of the mechanics and technology behind scooters. Covering both traditional and electric models, the program combines theoretical knowledge with practical workshops to prepare participants for careers as scooter technicians. This course is ideal for individuals looking to work in repair shops, dealerships, or start their own scooter service business.

- Mastery of scooter engine, electrical, and mechanical systems.
- Practical experience with real-world scooter repair tasks.
- Certification that opens career opportunities in the two-wheeler repair industry.
- Industry-relevant skills, from routine maintenance to advanced diagnostics.

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Course syllabus:

Module 1: Introduction to Scooter Technology

- Overview of different types of scooters.
- Basic components of scooters (engine, transmission, electrical).
- Workshop safety and tool handling.
- Practical session: Scooter components identification.

Module 2: Engine Technology and Repair

- Two-stroke and four-stroke engine principles.
- Common scooter engine issues and solutions.
- Engine teardown, repair, and reassembly.
- Practical session: Scooter engine overhaul.

Module 3: Electrical Systems and Troubleshooting

- Overview of scooter electrical systems.
- Diagnosing and repairing starter motors, lighting, and ignition systems.
- Practical session: Scooter electrical system diagnostics and repair.

Module 4: Fuel Systems: Carburetor and Fuel Injection

- Carburetor tuning and maintenance.
- Fuel injection systems in modern scooters.
- Practical session: Carburetor tuning and fuel injector cleaning.

Module 5: Suspension and Steering Systems

- Understanding front and rear suspension.
- Steering system repair and maintenance.
- Practical session: Suspension servicing and steering alignment.

Module 6: Braking Systems

- Servicing disc and drum brake systems.
- Understanding hydraulic brake systems.
- Practical session: Brake pad replacement and brake fluid change.

Module 7: Exhaust and Emission Control Systems

- Diagnosing and repairing exhaust system issues.
- Emission control systems in modern scooters.
- Practical session: Exhaust system maintenance.

Module 8: Electric Scooters: Batteries and Motors

- Understanding electric scooter motor technology.
- Battery types, charging, and replacement.
- Practical session: Electric scooter motor and battery maintenance.

Module 9: Scooter Bodywork and Customization

- Body panel repair and replacement.
- Scooter painting and customization techniques.
- Practical session: Body repair and customization.

Module 10: Safety Inspections and Road Testing

- Performing comprehensive scooter safety checks.
- Identifying and fixing potential hazards.
- Practical session: Scooter road test and performance evaluation.

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.

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Practical training:

- Engine Overhaul: Complete disassembly, repair, and reassembly of scooter engines.
- Electrical Systems: Diagnosing and fixing wiring issues, lighting, and starter motor repairs.
- Brake System Repair: Servicing disc and drum brake systems.
- Carburetor Tuning: Adjusting and maintaining carburetors for optimal performance.
- Fuel Injection: Troubleshooting fuel injection systems on modern scooters.
- Body Repair: Fixing body panels and paint touch-ups.
- Electric Scooters: Battery replacement and motor diagnostics for electric scooters.
- Suspension Systems: Diagnosing and repairing front and rear suspension issues.

Career scope:

Upon completing the Scooter technician training course, graduates can explore career opportunities in various sectors, including:

- Scooter Technician in Workshops
- Two-Wheeler Mechanic in Dealerships
- Service Center Manager
- Electric Scooter Technician
- Scooter Customization Specialist
- Self-employed Scooter Mechanic
- Fleet Maintenance Technician
- Scooter Parts Consultant
- Service Advisor in Scooter Dealerships
- Scooter Mechanic Trainer



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