Technical Proposal:

Electric Scooter

Problem Statement:

Urban centres have difficulty dealing with traffic overflowing and the air pollution from gas-powered vehicles. Fuel prices have also risen making the need for gas-powered vehicles economically challenging. This scenario calls for cheap and sustainable means of getting around. For individuals going short distances, especially students, workers and other people in the community, an electric scooter is an affordable last mile solution.

Objectives:

- ✓ Create an effective green electric scooter for use in towns.
- ✓ Help traffic jams and reduce the amount of carbon emissions released into the atmosphere
- ✓ Provide an affordable, sustainable transportation option accessible to a broad community.
- ✓ Incorporate smart features for safety, tracking, and battery management.

Proposed Solution:

The proposed electric scooter will:

- Be powered by a rechargeable battery, providing a range of 40–60 km per charge.
- Feature a lightweight, durable frame made from cost-effective and recyclable materials.
- Include smart features such as GPS tracking, mobile app integration, and battery status monitoring.
- Optionally support a community-sharing model to maximize accessibility and utilization.

Timeline & Budget (Approximate):

Timeline:

Timeline	Work
Months 1-2	Research, design, and feasibility study.
Months 3-4	Prototype development and testing.
Months 5-6	Final design optimization and preparation for deployment.

Budget:

Work	Budget
Design	$2,000
Prototype	$5,000
Testing	$1,500
Marketing	$1,000
Total	$9,500

Conclusion:

Addressing the problems associated with urban transportation, the electric scooter project demonstrates an innovative approach. It has the potential to complement public transportation and, in turn, make commuting practices more eco-friendly, accessible, and emission-efficient. Potentially, this project positively impacts the environment and community depending accessibility and sustainable commuting practices.