

Sl.No	Project	Application Domain	Complex Problem Identification
1	Electric Car	Battery Mangement Powertrain Control Charging System Autonomous Driving Monitoring Safety	Charging Infrastruncture Range Anxiety Cybersecurity Risks Cost And Market Adoption User Experince Battery Technology
2	Solar Cooker	Design Thermal Performance Efficiency Practical Adoption Development Cost And Accessibility	Performance Heat Retention Scalability And Production Health Consideration Education And Training Maintenance

Justification

Regulatory And Policy Challenges

Integration

Lifecycle Management

Sustainability

HMI Design

Vehicle Communication

Heat Insulation

Durability

Cultural Adoption

Existing Cooking Skill

Variable Weather Conditions

Consistent Sunlight