**1. Design Contributions:**

* Concept Development
* CAD Modeling
* Structural Analysis
* Material Selection
* Design Optimization

**2. Manufacturing Contributions:**

* Prototype Fabrication
* Manufacturing Process Planning
* Quality Control
* Assembly & Integration
* Cost Analysis & Budgeting

**3. Control Algorithms & Software Contributions:**

* Algorithm Development
* Software Implementation
* Sensor Integration
* Simulation & Testing
* Troubleshooting & Debugging

**4. Testing & Discussion Contributions:**

* Experimental Setup
* Data Collection & Analysis
* Performance Evaluation
* Report Writing & Documentation
* Presentation & Demonstration