**Project Milestones:**

**1. Project Planning and Initial Setup (Week 1)**

**Tasks:**

* Define project requirements and objectives.
* Finalize hardware components and software architecture.

**Deliverables**:

* Project plan and requirement specification document.
* Hardware design blueprint.

Budget: 1000 euro

Timeframe: 1 Week

**2. Hardware Design and Prototyping (Week 1-2)**

**Tasks:**

* Design circuit using ESP32 (as provided).
* Integrate sensors and modules (e.g., GPS, Bluetooth).

**Deliverables:**

* Prototype files of hardware.
* Schematics and PCB design files

Budget: 2500 euro

Timeframe: 2 Weeks

**3. Arduino Programming and Integration (Week 2-3)**

**Tasks:**

* Develop Arduino code for the ESP32 to manage Bluetooth communication, GPS tracking, and servo control.
* Implement control algorithms

**Deliverables**:

* Arduino code and documentation.

Budget: 2500 euro

Timeframe: 2 Weeks

**4. App Design and Development (Week 3-4)**

**Tasks:**

* Design UI/UX for the app, focusing on Lite, Basic modes.
* Develop Kotlin-based app with real-time GPS tracking, Bluetooth communication, and boat control.
* Integrate map features and save point functionality.

**Deliverables:**

* Version of the app with Lite and Basic mode functionality.

Budget: 4,000 euro

Timeframe: 4 Weeks