

# CardioBot Development Plan - Macro Level

## Introduction

This document presents the high-level schedule for the development of the CardioBot project, extending from February 2025 to July 2025, with a view to RNCP5 certification.

## Overview of Steps

### Stage 1: Idea Development (Completed - January 2025)

- ✓ Needs analysis with Dr. TZVETKOV
- ✓ Preliminary feasibility study
- ✓ Validation of the concept with ICP Conseil
- ✓ Definition of the initial perimeter

### Stage 2: Development of the Project Charter (February 2025)

Weeks 1-2:

- Documentation of objectives
- Risk analysis
- Defining the detailed scope
- Forecast planning
- Validation with stakeholders

### Stage 3 : Documentation Technique (Mars 2025)

Weeks 3-6:

- Detailed technical architecture
- IBM WatsonX Studio specifications
- Security documentation (GDPR)
- Mockups and wireframes

## **Stage 4: MVP Development (April - June 2025)**

Weeks 7-18:

Phase 1 (Avril) :

- Development environment setup
- Initial backend development

Phase 2 (May):

- User interface development
- IBM WatsonX Studio integration
- FranceConnect+ integration
- Unit and integration testing
- Technical validation ICP Conseil

Phase 3 (June):

- Tests de charge
- Fixes and optimizations
- User documentation
- Deployment preparation

## **Stage 5: Project Closure (July 2025)**

Weeks 19-22:

- Final tests
- Production deployment
- User training
- Demo Day final presentation

## **Key Milestones**

- February 2025:
  - Validation of the project charter
  - Signing of framework documents
- Mars 2025 :
  - Validation architecture technique
  - Approval of models
- April 2025:
  - First functional prototype
- May 2025:
  - Comprehensive user interface
  - WatsonX integration validation
  - Validated security tests
- June 2025:
  - Complete application in recipe
  - Finalized documentation
- July 2025:
  - Production deployment
  - Demo Day

## **Deliverables per Internship**

### **Internship 1 (Completed)**

- Needs analysis document
- Feasibility study
- Agreement in principle of the stakeholders

## **Stage 2**

- Project charter
- Risk analysis
- Detailed planning
- Forecast budget

## **Stage 3**

- Complete technical documentation
- Validated models
- GDPR security plan
- System architecture

## **Stage 4**

- Documented source code
- Automated testing
- User manual
- Test report

## **Stage 5**

- Deployed application
- Documentation finale
- Demo Day presentation support

## **Conclusion**

This high-level planning allows a clear vision of the project stages while maintaining the necessary flexibility for adjustments during development. Regular milestones enable effective monitoring of progress and ongoing validation by stakeholders. The focus is on delivering a robust MVP for July 2025, explicitly excluding phase 2 (intranet) and mobile adaptation of the scope.