Since the automation tester is a **beginner in Cypress**, we need to **allocate learning time** before jumping into script development. Here's how I would revise the schedule:

**🚀 Revised Project Schedule (52 Days)**

**🟢 New Phase Added: Cypress Learning & Setup (6 Days)**  
Before script development, the tester needs to gain familiarity with **Cypress fundamentals**, writing test cases, and debugging.

**📌 Phase 1: Cypress Learning & Setup (6 Days)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Days** | **Task** | **Effort (Hours)** | **Milestone** |
| **Day 1 - 2** | Learn Cypress basics (installation, structure, first test) | 4 | ✅ Cypress installed & configured |
| **Day 3 - 4** | Understand Cypress commands, selectors, assertions | 4 | ✅ Basic test cases executed |
| **Day 5 - 6** | Work with fixtures, intercepts, and API testing basics | 4 | ✅ Ready for script development |

🔹 **Milestone at Day 6:** ✅ **Tester is comfortable writing Cypress scripts**

**📌 Phase 2: Automation Script Development (34 Days)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Days** | **Task** | **Effort (Hours)** | **Milestone** |
| **Day 7 - 8** | Setup framework, project structure, and dependencies | 4 | ✅ Framework ready |
| **Day 9 - 12** | Automate Smoke Test (17 cases) | 8 | ✅ Smoke Test Scripts Completed |
| **Day 13 - 18** | Automate Sanity Test (14 cases) | 12 | ✅ Sanity Test Scripts Completed |
| **Day 19 - 24** | Automate End-to-End Tests (14 cases) | 12 | ✅ End-to-End Scripts Completed |
| **Day 25 - 27** | Debugging and refactoring automation scripts | 6 | ✅ Scripts Refined |
| **Day 28 - 33** | Develop reusable functions and validations | 12 | ✅ Reusable Components Ready |
| **Day 34 - 40** | Dry-run execution and script fixes | 14 | ✅ Scripts Fully Prepared for Execution |

🔹 **Milestone at Day 40:** ✅ **All scripts ready for execution**

**📌 Phase 3: Test Execution (12 Days)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Days** | **Task** | **Effort (Hours)** | **Milestone** |
| **Day 41 - 43** | Execute Smoke Tests & analyze results | 6 | ✅ Smoke Testing Completed |
| **Day 44 - 46** | Execute Sanity Tests & analyze results | 6 | ✅ Sanity Testing Completed |
| **Day 47 - 49** | Execute End-to-End Tests & analyze results | 6 | ✅ End-to-End Testing Completed |
| **Day 50 - 51** | Debug failures, rerun failed tests | 4 | ✅ Final Test Execution Completed |
| **Day 52** | Documentation & Final Reporting | 2 | ✅ Project Completion |

🔹 **Milestone at Day 52:** 🎯 **Project fully tested & documented**

**Summary**

* **Total Duration:** **52 Days** (Including Cypress learning)
* **Why?**
  + **6 days** for Cypress learning & setup
  + **34 days** for automation script development
  + **12 days** for test execution & reporting
* **Final Milestone:** 📅 **Project ready on Day 52**
* **Key Adjustments for a Beginner:**
  + Time allocated for **learning Cypress basics**
  + Gradual development of **test scripts with practice**
  + Additional buffer for debugging & improvements

Would you like further refinements based on specific Cypress topics the tester finds challenging? 🚀