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| Month | Day | Milestones | Deliverables |
| September | 22 | **Phase 1: Project Management Plan** |  |
| 23 | Project Management Plan Completed | Project Management Plan |
| 24 | Team Profiles Completed | Team Profiles |
| 26 | **Phase 2: Project Requirements Start** |  |
| Review project mathematical concepts |  |
| 27 | Begin creating preliminary requirements |  |
| October | 2 | Preliminary requirements complete | Preliminary requirements |
| 3 | Begin creating UML Use Case Diagram |  |
| 9 | Use Case Diagram complete | Project UML Use Case Diagram |
| 10 | Begin creating UML Class Diagram |  |
| 16 | Class Diagram complete | Project UML Class Diagram |
| 17 | Begin requirements validation |  |
| 23 | Requirements validation complete | Final requirements document |
| 26 | **Phase 3: Project Architecture and Design Start** |  |
| Begin designing project architecture |  |
| November | 2 | Project architecture finalized | Project architecture description |
| 3 | **Phase 4: Project Implementation Start** |  |
| Begin implementing addition and subtraction (one operator) |  |
| 4 | Addition and subtraction implemented | Addition and subtraction demo |
| 7 | Equations with multiple operators implemented | Multiple operators and error checking demo |
| Error checking for unsupported characters and invalid operator placement implemented |
| 11 | Parentheses implemented | Parentheses demo |
| Checking for invalid parentheses usage implemented |
| 13 | Multiplication and Division implemented | Multiplication and division demo |
| Divide by zero error checking implemented |
| 15 | Exponentiation and unary operators implemented | Exponentiation and unary operators demo |
| 16 | Final implementation completed | Working total implementation |
| 17 | **Phase 5: Test Cases Start** |  |
| Begin creating test cases |  |
| 23 | All test cases identified | List of all test cases |
| 29 | Product tested on all test cases and all discovered bugs removed | Project outputs for each test case; verified implementation |
| 30 | **Phase 6: User Manual** |  |
| December | 1 | Begin creating user manual |  |
| 6 | User manual completed | User manual |
| 7 | Full product completed | All final phase deliverables |