Team Member	Task Period	Task Description	Source Files	Requirements Fulfilled	Status
Alan Mirza	Mar 17-24	UI skeleton implementation, Home screen design + implementation	mainwindow.cpp, mainwindow.h, mainwindow.ui	Basic UI navigation, Main interface	Complete
	Mar 25-31	Navigation system, PIN security implementation	authmanager.cpp, authmanager.h, lockscreen.cpp, lockscreen.h, lockscreen2.ui	PIN security, System navigation	Complete
	Apr 1-4	UI integration, Component testing	Integration of UI.cpp, UI.h with other components	Full UI functionality, Component integration	Complete
	Apr 5-8	Traceability Matrix, Documentation review	README.txt, Documentation files	Project documentation completeness	Complete
Shreyansh Patel	Mar 17-24	Use case documentation, Bolus calculator design	UseCaseModel.pdf, BolusCalculator.h	Bolus calculation requirements, Use case definitions	Complete
	Mar 25-31	Manual bolus functions, Sequence diagrams	BolusCalculator.cpp, bolus.cpp, bolus.h, bolus.ui	Manual bolus functionality	Complete
	Apr 1-4	Extended bolus implementation, Integration testing	Updates to BolusCalculator.cpp and integration with Pump.cpp	Extended bolus functionality	Complete
	Apr 5-8	Scenario testing, Video demo preparation	Testing documentation	System validation	Complete
Felix Aylen	Mar 17-24	Class diagram design, Profile management structure	umlclassdiagram.png, Profile.h	System architecture, Profile management	Complete
	Mar 25-31	CRUD operations for profiles, User settings implementation	Profile.cpp, contentwidget.cpp, contentwidget.h, contentwidget.ui	User profile functionality	Complete
	Apr 1-4	Data visualization components, Graphing implementation	QCustomPlot.cpp, QCustomPlot.h	Data visualization requirements	Complete
	Apr 5-8	UI component integration, Final testing	Integration of UI components with visualization	Complete system functionality	Complete
Mohammad Abbas	Mar 17-24	Glucose monitoring design and Sequence Diagram document	CGM.h, Sequence diagram documentation	Glucose monitoring requirements	Complete
	Mar 25-31	Control IQ implementation, Automatic adjustments	CGM.cpp, integration with Pump.cpp	Automated insulin adjustment	Complete
	Apr 1-4	Error detection system, Safety operations	Updates to Pump.cpp, safety checks in CGM.cpp	Error handling, Safety requirements	Complete
	Apr 5-8	Integration testing, Documentation review	Testing documentation, README.txt updates	System validation	Complete
Aaron McLean	Mar 17-24	GitHub configuration, initialization, Data storage design	Initial project structure, PumpHistory.h	Data persistence requirements	Complete
	Mar 25-31	History logging, Data persistence implementation	PumpHistory.cpp, Battery.cpp, Battery.h, InsulinCartridge.cpp, InsulinCartridge.h	System state tracking, Resource monitoring	Complete
	Apr 1-4	Component testing	statusmodel.cpp, statusmodel.h	Testing framework, Status tracking	Complete
	Apr 5-8	Requirements + State Machine Diagram, Final documentation	Updated documentation, statusbar.cpp, statusbar.h, statusbar.ui	System state visualization, Documentation completeness	Complete

Key Requirements Mapping:

- **R1: User Interface** - Alan (UI skeleton, navigation)
- **R2: Security** - Alan (PIN security)
- **R3: Bolus Management** - Shreyansh (Bolus calculator, manual/extended bolus)
- **R4: User Profiles** - Felix, Aaron (CRUD Operations, UI) (Profile Persistence)
- **R5: Glucose Monitoring** - Mohammad (CGM implementation)
- **R6: Control IQ** - Mohammad (Automatic adjustments)
- **R7: Data Visualization** - Felix (Graphing implementation)
- **R8: System State Tracking** - Aaron (History logging, status monitoring)
- **R9: Safety Operations** - Mohammad (Error detection)
- **R10: Documentation** - All team members (various documents)