Month	Day	**Development Plan**	**Test and Demonstration Plan**

February	6	• Skeleton Project
		  ○ Make smallest possible project to show that all tools are working.
		  ○ Agree on development, code style, and practises.
		• Input Parsing
		  ○ Read input
			• Show unit tests are working for Skeleton Project

	13	• Input Parsing
		  ○ Convert input into calculable format
		• Temperature Monitoring
		  ○ Read temperature
		• Fan Regulation
		  ○ Control fan speed
			• Show unit tests are working for Input Parsing

	20	• Temperature Monitoring
		  ○ Convert temperature to unstandable format
		• Fan Regulation
		  ○ Adjust fan curve
		• Current Parsing
		• Voltage Parsing
			• Show unit tests are working for Temperature Monitoring
			• Show unit tests are working for Fan Regulation

	27	• Current Parsing • Voltage Parsing • FFT Implementation ○ Research Fast Fourier Transform • Refactor	• Show unit tests are working for Current Parsing • Show unit tests are working for Voltage Parsing
March	13	• FFT Implementation ○ Implement Fast Fourier Transform • Refactor • Performance Enhancement	• Run all units tests for regression testing
	20	• FFT Implementation	• Show unit tests are working

		• Performance Enhancement • Buck/Boost Control ○ Research Buck/Boost Control	for FFT Implementation • Run all units tests for regression testing
	27	• Buck/Boost Control ○ Implement Buck Control	• Show unit tests are working for Buck Control

April	3	• Buck/Boost Control
		  ○ Implement Boost Control
		• Display Current/Voltage
		  ○ Display Current
		• Display Temperature
			• Show unit tests are working for Boost Control

	10	• Display Current/Voltage
		  ○ Display Voltage
		• Display Temperature
		• Display Charge Status
		  ○ Display Charging Status
			• Show that the LCD Screen is displaying current/voltage
			• Show that the LCD Screen is displaying temperature

	17	• Display Charge Status
		  ○ Display Discharging Status
		• LCD Switch Screen
		  ○ Program Button Debounce
		  ○ Implement Input Screen
		• Final Optimization
			• Show that the LCD Screen is displaying Charge Status

	24	• LCD Switch Screen ○ Implement Output Screen • Final Optimization	• Show that LCD switches screen on button press • Run all units tests for regression testing