



Team Pineapple

PDR Presentation

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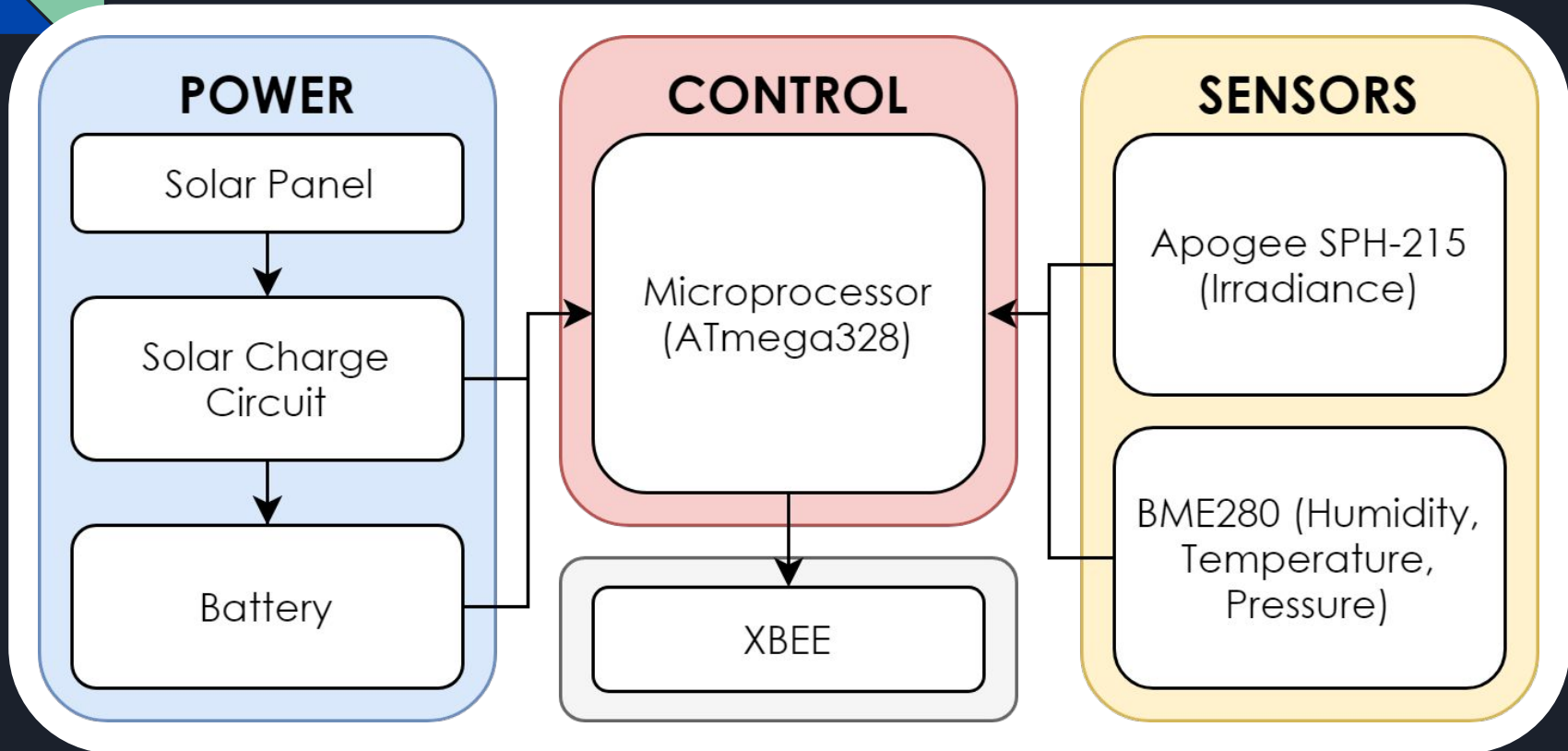
Overview

- Overall Block Diagram
- Team Division
- Encountered Problems/Issues
- Team Progress
- Future Tasks
- Timeline/Schedule





Overall Block Diagram





Team Division

- Collaboratively worked on hardware and software together





Problems / Issues

- Eagle struggles
- Surface mount vs. Through-hole components
- Prototyping and testing with limited components





Current Progress

- Parts Order
- Eagle Tutorial
- XBee Tutorial
- Schematic
- Independent sensor testing



Future Tasks

- XBee
- Housing
- Board Integration
- Software Integration



Project Schedule

		Team Pineapple									
		Gantt Chart									
Week		6	7	8	9	10	11	12	13	14	14
Date		10/9/2017	10/16/2017	10/23/2017	10/30/2017	11/6/2017	11/13/2017	11/20/2017	11/27/2017	12/4/2017	12/11/2017
Presentations											
	Proposal										
	Preliminary Design	10/14/17									
	Critical Review					11/10/17					
	Final								12/02/17		
Training											
	Arduino										
Modules											
	Microprocessor										
	Transceiver										
	Antenna										
	Charging Circuit										
	Battery										
	Temperature Sensor										
	Solar Irradiance Sensor										
	Humidity Sensor										
	Pressure Sensor										
	Solar Panel										
Build											
	System Integration										
	Overall System Firmware (PCB)										
	Housing										
Test											
	Debug										
Reports											
	Final Report										



Questions
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