

ID	Task Name	Duration	Timeline																													
			M	J	Half 2, 2015					Half 1, 2016					Half 2, 2016					Half 1, 2017					Half 2, 2017							
					J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
1	Phase 1: Survey and Startup	67 days																														
2	Human Resource and Equipment Procurement	45 days																														
3	Literature Review	65 days																														
4	Design Specifications	15 days																														
5	Planning and Management	15 days																														
6	Phase 2: Design and Implementation of WSN	66 days																														
7	Design Specification of Sensor Node (Hardware).	33 days																														
8	Design Specification of Coordinator Node (Hardware).	33 days																														
9	Design of software flow of Web Application and Relational Database and Document SRS (System Requirements Specification) in the form of report (Software).	40 days																														
10	Decide which software tools to be used acquire complete software packages.	26 days																														
11	Phase 3: Development of WSN	65 days																														
12	Design Specification of Power Harvesting Unit (Hardware).	35 days																														
13	Implementation of Sensor node with PCB designs (Hardware).	15 days																														
14	Interfacing sensors with Microcontroller for final integration in sensor node (Hardware)	15 days																														
15	Implementation of Web Application and Database (Software)	65 days																														
16	Phase 4: Design of Development of Control	87 days																														
17	Design of Control Module to provide users with ease of controlling valves (Hardware).	25 days																														
18	Design and implemented Wi-Fi, GSM and LAN based data transmitting node.	65 days																														

<div>Project: documentation</div> <div>Date: Thu 6/25/15</div>	Task	<div></div>	Inactive Summary	<div></div>	External Tasks	<div></div>
	Split	<div></div>	Manual Task	<div></div>	External Milestone	<div></div>
	Milestone	<div></div>	Duration-only	<div></div>	Deadline	<div></div>
	Summary	<div></div>	Manual Summary Rollup	<div></div>	Progress	<div></div>
	Project Summary	<div></div>	Manual Summary	<div></div>	Manual Progress	<div></div>
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19	Design and develop node programming application (Software).	87 days																														
20	Phase 5: Design and implementation of Workers and Assets Tracking Module	89 days																														
21	Implementation of Asset and worker tracking Capabilities with hardware support (Hardware).	65 days																														
22	Finished PCB designs of different hardware modules (Hardware).	25 days																														
23	Development and Testing of Mobile App (Software).	89 days																														
24	Phase 6: Mobile App Development and Integration with Cloud	88 days																														
25	Complete testing and performance evaluation of individual modules and integrated version. (Hardware)	44 days																														
26	Implement hardware support for Integrating Cloud Services (Hardware).	44 days																														
27	Explore and Implement Cloud based Services for Data on Cloud Integration (Software).	44 days																														
28	Design and develop a dashboard application for cloud based activities (Software).	44 days																														
29	Phase 7: Finalization and Deployment of the Prototype, Benchmarking and Publications, Training	66 days																														
30	Project Documentation	40 days																														
31	Deployment of final prototype.	35 days																														
32	Dissemination of Results.	20 days																														

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