

Project Status Report Template

Project Name: Pick and Place

Team Name: JFL

Project Manager: Robin Pottathuparambil

Team Members: Jailine Contreras Marquez, Fernando Zavala-Ortiz, Lap Nguyen

Report Date: 09/14/2023

Reporting Period: 8/21/2023 to 9/14/2023

Management Summary

Defined milestones completed: 1 of 7 (14%)
Defined tasks completed: 0 of 14 (0%) of child tasks in work breakdown structure
Total estimated project hours used: 30 of 960 (.03%)
Ahead of (or Behind) schedule by: 10 labor-hours, 0 days
Known defects: 0 open of 0 found
Staff members on project: 0 of 0 planned
Contingency hours remaining: 100% of 30 hours

Schedule

Initial estimated completion date: May 10th 2024
Previous estimated completion date: May 10th 2024
Current estimated completion date: May 10th 2024

Key Milestones Table

ID	Title	Planned Completion Date	Previous Forecast Completion Date	Current Forecast Completion Date	Actual Completion Date
1	requirements draft due/status report	9/12/23	9/14/23	9/14/23	9/14/23
2	specification draft due/requirements due	9/20/23	9/22/23	9/22/23	9/22/23
3	specifications due	9/27/23	9/29/23	9/29/23	9/29/23
4	preliminary design due	10/04/23	10/06/23	10/06/23	10/06/23
5	parts order due	10/11/23	10/13/23	10/13/23	10/13/23
6	detailed design due	10/18/23	10/20/23	10/20/23	10/20/23
7	status report	11/8/23	11/10/23	11/10/3	11/10/23

Product Size

Not applicable

Effort

One of the discrepancies is having access to the previous team documents.

Life Cycle Activity	This Reporting Period (labor-hours)		Project to Date (labor-hours)	
	Planned Effort	Actual Effort	Planned Effort	Actual Effort
researching/requirements	40	24	40	24

Cost

Cost will be calculated as parts are picked.

Life Cycle Activity	This Reporting Period		Project to Date	
	Planned Cost	Actual Cost	Planned Cost	Actual Cost
mini PC	N/A	N/A	N/A	N/A
Camera	N/A	N/A	N/A	N/A
Air Compressor	N/A	N/A	N/A	N/A

Requirements Status

ID	Functional Requirements	Team Member Responsible	Effort (%)	Verification	Completed (%)
FR1	A software model will use camera to identify PCB fiducial	Fernando Zavala	45%	Test	0
FR2	A fiducial will be created and used to identify location of PCB	Fernando Zavala	30%	Demonstration	0
FR3	Training images will be created for PCB fiducial	Fernando Zavala	20%	Inspection	0
FR4	Web framework use to communicate with the device	Jailine Contreras Marquez	30	demonstration	0
FR5	Software should send a signal from the mini-PC when it keep or drop the PCB	Jailine Contreras Marquez	30	demonstration	0
FR6	The bessel camera connect with the system by Ethernet	Jailine Contreras Marquez	10	demonstration	0
FR7	Software should control the arm to move stability	Lap Nguyen	40	demonstration	0

FR8	Software should control the system to pick up the PCB in location	Lap Nguyen	20	inspection	0
FR9	Software should control the system to drop the PCB in designated location for test tray	Lap Nguyen	20	inspection	0

ID	Non-Functional Requirements	Team Member Responsible	Effort (%)	Verification	Completed (%)
NFR1	The system speed for moving the PCB should be 10mm/s	Lap Nguyen	20	test	0
NFR2	The system have the front end for user to remotely control	Jailine Contreras Marquez	20	demonstration	0
NFR3	The system must accommodate PCBs 300 mm wide by 500 mm long.	none	0	inspection	0
NFR4	The PCB lifting mechanism should be capable of lifting up to 2 kg	Fernando Zavala	5%	Inspection	0
NFR5	Replace FPGA with mini-PC	Jailine Contreras Maruquez	10	test	0

Top Five Risks

1. *System might have an error from last time it was used*
2. *Getting a defective mini PC*
3. *Software could work in surplus PC but might have to be changed on mini PC*

Open Issues

- *Having access to the previous team to demonstrate how the system works*
- *Time constraints on team members*

Action Items

Not applicable

Defects

Not applicable