TIME SHEET DESCRIPTION DOCUMENT

Assignment presented to
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ECSE 211: Design Principles and Methods

Presented by Team 20

Team Number: 20
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Specifications: This document is a description of all the accomplished tasks mentioned in the Gantt Chart and tracked in the Time Sheet.

Week 1	Task ID	Justification
Max Brodeur-Urbas	6	Brainstormed and got all tasks organized
	45	Worked through and organized logic to be coded
	8	Created Gantt chart and allocated resources
	7	Worked as group through fore-sought logical design issues
	39	Adjusted Preliminary Gantt chart to realistic standards
	40	Organize and prepare presentation
Carl El Khoury	6	Brainstormed preliminary software design
	30	Worked on Constraints Document
	45	Worked collaboratively on soft. logic given requirements
Zakaria Essadaoui	6	Brainstormed preliminary software design
	45	Worked collaboratively on outline of software structure.
	40	Contributed to powerpoint presentation content within slides
Ayden Malik	6	Brainstormed and researched document structure
	30	Worked on Capabilities Document
	40	Created hardware section of presentation.
	9	Drew out teams initial hardware concept
Ashish Paul	6	Brainstormed and researched document structure
	30	Worked on System Document
	40	Reviewed documents being submitted for teacher review.
Shaodi Sun	6	Brainstormed and researched document structure
	30	Worked on Requirements Document
	39	Adjusted Budget Collaboratively
	40	Reviewed all documents for submission.

Week 2	Task ID	Justification
Max Brodeur-Urbas	539	Helped code and test improvements in navigation to tree
	70	Aided with creation of logical flow chart
	213	Tabulated all worked hours and justification for each
	76	Created presentation on powerpoint
Carl El Khoury	534	Collaboratively coded logic required to reach tunnel
	537	Aided in iterative improvements of tunnel traversal through testing.
	539	Coded repetition of light localization to properly face tree.
	70	Outlined software logic during flow chart creation
	59	Created initial software design document
Zakaria Essadaoui	534	Collaboratively coded logic required to reach tunnel
	537	Coded efficient straight traversal of tunnel
	539	Coded logic to reach the given coordinates of tree
	280	Created Class hierarchy for Software Design document
Ayden Malik	728	Created 3 proposals and created prototype of selected version.
	58	Created Hardware Design Documentation
Ashish Paul	60	Created Testing document
	534	Aided code improvement by testing navigation efficiency
	537	Ran robot and reported errors for code improvements
	539	Ran robot through tunnel and brainstormed cause of issues.
Shaodi Sun	76	Worked on review and finalization of documents
	58	Aided in creation of Hardware Design document
	213	Aided in tabulation of hours and gantt improvement

Week 3	Task ID	Justification
Max Brodeur-Urbas	82	Modelled and constructed ring catching mechanism
	87	Tabulated and updated hours in spreadsheet.
	92	Updated Gantt chart with corrections and completion status
Carl El Khoury	82	Modelled and constructed sweeping mechanism
	84	Collaboratively created API docs for submission
	91	Documented status of code development in software doc
	86	Gathered peer documents to review and improved soft doc
Zakaria Essadaoui	86	Corrected software doc based on group recommendation.
	84	Collaboratively created preliminary software API in software doc
Ayden Malik	82	Modelled Integrated gears linking top and bottom catcher.
	86	Reviewed documentation of other groups and adjusted completeness and detail of hardware doc
Ashish Paul	362	Updated accuracy and content of testing doc
	254	Tested and recorded sensor accuracy and applications
Shaodi Sun	362	Aided in documentation of testing and formatting
	87	Aided in tabulation of hours and tasks performed
	86	Reviewed submitted documents improved content and uniform formatting.

Week 4	Task ID	Justification
Max Brodeur-Urbas	578	Coded improvements for navigation to tree
	268	Restructured and filled in gaps in hardware document
	104	Updated and extended detail of gantt chart
	114	Tabulated hours and provided justification for tasks.
Carl El Khoury	99	Implemented Wifi class in software
	96	Collaboratively coded logic for navigation and ring pickup
Zakaria Essadaoui	270	Aided in updating and documentation of testing
	99	Implemented wifi class in software
	96	Coded logic for navigation and ring pickup
Ayden Malik	114	Aided in tabulation of groups tasks and hours
	264	Implemented static arms at ideal height
	268	Updated design for week 4 in documentation
	95	Evaluated capabilities of current structure and made minor improvements
Ashish Paul	578	Ran robot in order to iteratively improve navigation accuracy
	95	Evaluated constraints of current structure and made minor improvements.
	270	Updated content of testing document and increased detail
	97	Tested first integration phase
Shaodi Sun	268	Reviewed and improved upon hardware document after restructure.
	270	Added detail and reviewed testing document
	264	Aided in the building static arm

Week 5	Task ID	Justification
Max Brodeur-Urbas	463	Tested the robots abilities as changes were being made
	118	Updated initial documents updating based on feedback
	505	Aided with logic of final tree approach coding
	188	Logged hours and updated Gantt and created presentation
Carl El Khoury	489	Improved ring grabbing logic based on demo failure
	505	Coded final logic for grabbing all four rings
	119	Simplified and commented parts of code
Zakaria Essadaoui	489	Improved navigation based on tunnel failure in demo
	505	Coded all possible tree placement cases.
	119	Simplified and commented parts of code
Ayden Malik	463	Adjusted Arm structure for more accurate ring grab.
	118	Updated hardware documents
	508	Worked collaboratively on preliminary poster
Ashish Paul	118	Updated testing document
	188	Worked on presentation
	120	Directed group during testing.
Shaodi Sun	120	Tested the robots abilities as changes were being made
	508	Worked on creating final presentation poster
	118	Updated initial documentation based on feedback

Week 6	Task ID	Justification
Max Brodeur-Urbas	528	Collaboratively created LDD for poster
	594	Restyled and added final content to poster
	198	Aided with Debugging of final code
	192	Reviewed and improved budget from total project
	593	Structured Final presentation
Carl El Khoury	596	Aided with final integration testing
	196	Completed software document for submission
	593	Added software related section to presentation
Zakaria Essadaoui	198	Finalized source code and corrected performance issues
	196	Added final content to software document for submission
Ayden Malik	528	Collaboratively created LDD for poster
	194	Finalized Hardware document and formatted.
	195	Aided with completion of testing documentation
	593	Added hardware section to final presentation
Ashish Paul	596	Directed final integration testing of robots performance
	195	Completed testing document
	196	Aided with completion of the software document
	593	Added testing section of presentation
Shaodi Sun	594	Tested the robots abilities as changes were being made
	192	Aided with tabulation of hours and task justification
	199	Organized files in dropbox for submission