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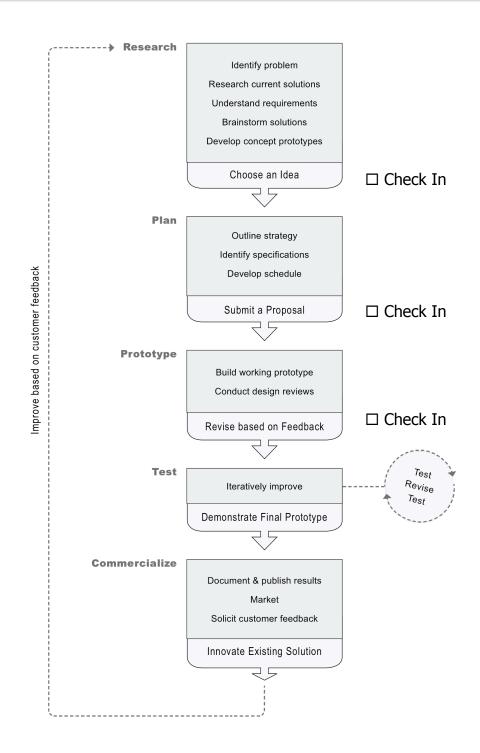
Engineering Process Logbook

GearBots Educational Resources

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Engineering Process Overview



Engineering Process: STAGE ONE: Research Stage 1. What is the problem you need to solve? 2. What are the specific requirements of the challenge? 3. Research current solutions to solve the problem. 4. Develop prototypes / determine feasibility of concept. 5. Select your final concept. □ Check In	Team #:	Block:	Date:
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□ Check In	5. Select your final concept.		
	□ Check In		

Team #:			Block:	Date:
Engineerin	g Process:			
STAGE TWO: P	Plan Stage			
1. Outline a strategy	to develop your prototype.	What role	es will the group	members play?
2. Identify the special	features / specifications of	f your prot	otype that you	will need.
3. Develop a schedule	e for the remainder of the o	challenge.	What are your	goals for each class?
□ Check In				
Get f	inal approval fro	om you	ır teache	r.

Team #:	Block:	Date:
Pseudocode Worksheet:		
Research Stage		
Pseudocode is a sort of halfway language between English address the important details of your program without have parts getting in your way. Our goal when developing pseu organize the simple behaviours a robot needs to complete	ving to worry aboudocode will be t	out the less relevant o identify and
Pseudocode Description:		
1.		
2.		
3.		
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10.		
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12.		
13.		
14.		
15.		
16.		
17.	Use	the back if you need extra space

Nam	e:		Block:		Date:			
Wei	Were you present for this class YES NO I was absent. - If you answered YES, complete the following questions:							
En	gineering Logboo	ok:						
This	s class is DAY of the c	hallenge						
	Rate your participation today: 1 Not meeting expectations 2 Minimally meeting expectation 3 Meeting expectations 4 Exceeding expectations							
ı	Employability Skills Profile 2000+	1	2	3	4			
1	Gives full attention to instructions and follow directions							
2	Comes prepared and works the entire class							
3	Works well with minimal supervision							
4	Works up to potential, shows maximum effort							
5	Works cooperatively as a member of a group							
6	Makes effective use of time and/or materials							
7	Demonstrates initiative and motivation							
8	Has a cooperative, positive attitude							
9	Is on time for class							

1. What did you want to accomplish today?

2. What went well in your team today?

3.	What problems did you experience today?
4.	What solutions did you try to solve the problem? Did they work? Why or why not?
5.	What is your goal for tomorrow's class?

Er	nployability Skill	ls Prof	file 2000+	:	
W	orkplace Competencies	<u> </u>			
Rat	e your participation in this cha Not meeting expectations 2 Minimally meetin	allenge:	3 Meeting expectations	4 Excee	ding expectations
	Employability Skills Profile 2000+	1	2	3	4
1	Consistently demonstrates a positive				
2	attitude Cooperates all of the time				
3	Communicated well with others				
4	Honest				
5	Dependable				
	Recognizes problems and finds				
6	acceptable solutions				
7	Concentrates (on-task)				
8	Produces quality work				
9	Makes smart decisions				
10	Always attends class				
11	Always punctual				
12	Follows direction				
13	Reads, writes, and calculates well				
14	Shows leadership				
Rat	m Member's Name: e your team member in this cl Not meeting expectations 2 Minimally meetin		3 Meeting expectations	4 Excee	ding expectations
	Employability Skills Profile 2000+	1	2	3	4
1	Consistently demonstrates a positive attitude				
2	Cooperates all of the time				
3	Communicated well with others				
4	Honest				
5	Dependable				
6	Recognizes problems and finds				
7					
,	acceptable solutions				
7 8	acceptable solutions Concentrates (on-task)				
8	acceptable solutions Concentrates (on-task) Produces quality work				
8	acceptable solutions Concentrates (on-task) Produces quality work Makes smart decisions				
8 9 10	acceptable solutions Concentrates (on-task) Produces quality work Makes smart decisions Always attends class				
8 9 10 11	acceptable solutions Concentrates (on-task) Produces quality work Makes smart decisions				
8 9 10 11 12	acceptable solutions Concentrates (on-task) Produces quality work Makes smart decisions Always attends class Always punctual Follows direction				
8 9 10 11	acceptable solutions Concentrates (on-task) Produces quality work Makes smart decisions Always attends class Always punctual				

Name: ______ Block: _____ Date: _____

Not meeting expectations	2 Minimally meeting	expectation	3 Meeting expectation	ns 4 Excee	eding expectation
Employability Skills I	Profile 2000+	1	2	3	4
Consistently demonstrate attitude	es a positive				
Cooperates all of the tim	е				
Communicated well with	others				
Honest					
Dependable					
Recognizes problems and acceptable solutions	d finds				
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Reads, writes, and calcu	lates well				
Shows leadership					
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1 Not meeting expectations 2 Minimally meet		ing expectation	3 Meeting expectations	4 Excee	ding expectations
	Employability Skills Profile 2000+	1	2	3	4
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