

Bell AVR 2024

Team Zephyrus1043B

Project start:

Display week:

TASK	ASSIGNED TO	PROGRESS	START	END
Pre season				
Research AVR autonomous code	Max	100%	4/27/24	5/1/24
Finish fixing AVR issues from last year	Max	75%	4/27/24	5/1/24
Work on autonomous AVR Code	Max and Hudson	100%	4/27/24	10/19/24
Start of Season				
Research for the current season	Max, Hudson, Jake, and Jack	100%	8/15/24	8/19/24
Assemble the DEXI	Brook, JJ, and Angela	100%	8/26/24	9/3/24
Design the first draft of the Conex box	Hudson	100%	9/1/24	9/4/24
Create first draft of the RVR sphero holder	Hudson and Brook	100%	9/1/24	9/3/24
Plan out the design of the RVR Conex box lift	Olivia Wilson	100%	9/1/24	9/4/24
Create the initial outline of the notebook and pres	Angela, Ashely, Bellamy, and Sabrina	100%	8/24/24	8/27/24
Mid season				
Add substance to the notebook and presentation	Sabrina, JJ, Ashley, Angela, Matt, and Bellamy	100%	8/29/24	10/26/24
Print second iteration of the Conex box design	Hudson	100%	10/14/24	10/17/24
Practice piloting vehicles	Jake, Hudson, Patrick, Sabrina, Matt, Keira, JJ, Angela	100%	9/6/24	10/29/24
Design second iteration of the RVR sphero hold	Hudson and Brook	100%	10/5/24	10/8/24
Attach electromagnet to the AVR	Max, Jack and Angela	100%	9/16/24	9/17/24
Design team logo, t-shirt and Conex box panels	Ashley	100%	10/1/24	10/29/24
Code DEXI infrared and April Tag detection	Jack	100%	10/5/24	10/28/24
Edit PCC firmware to control electromagnet	Max	100%	9/10/24	9/12/24
Adjust leg mounts to make durable	Max and Hudson	100%	9/24/24	9/26/24
CAD electromagnet holder (version 1)	Max and Hudson	100%	9/12/24	9/19/24
Code RVR autonomous program	Jake	100%	10/17/24	10/19/24
Endgame				
Replaced PI CM and arduino	Jack	100%	10/30/24	11/7/24
Use carbon fiber to print AVR leg mounts	Hudson	100%	10/23/24	10/25/24
Implement RVR Conex box lift mechanism	Brook	100%	10/22/24	10/29/24
Paint and attach side panels to Conex boxes	Ashley and Angela	100%	10/28/24	11/8/24
CAD shorter electromagnet holder (version 2)	Hudson and Brook	100%	10/29/24	10/31/24
Paint spheros	Ashley	100%	10/29/24	10/31/24
Fill out rest of notebook	Angela, Sabrina, JJ, Matt, Ashley, and Bellamy	100%	10/29/24	11/8/24
Practice piloting specific procedures for the gam	Jake, Hudson, Patrick, Sabrina, Matt, Keira, JJ, Angela	100%	10/29/24	11/8/24
Create presentation scripts and practice speaking	Hudson, Max, and Keira	100%	11/4/24	11/8/24
Post First Competition				
Third iteration of the Conex boxes w/o side pane	Hudson	100%	11/10/24	11/14/24
CAD of new electromagnet holder (version 3)	Hudson	100%	11/10/24	11/13/24
Implement stronger 12V electromagnet	Max and Jack	100%	11/11/24	11/12/24
Touch up rough parts of notebook and presentat	Angela, Sabrina, JJ, Matt, Ashley, and Bellamy	100%	11/11/24	11/15/24
Make new RVR push mechanism	Max and Hudson	100%	11/11/24	11/13/24
Practice presenting new presentation	Hudson, Max, Jack, and Ashley	100%	11/11/24	11/14/24
Post Second and Third Competition				
Final iteration of Conex boxes	Hudson and Max	100%	11/18/24	11/21/24
Remake notebook	Angela, Sabrina, JJ, Matt, Ashley, Jake and Bellamy	50%	11/18/24	12/6/24
Remake presentation	Keira, Angela, Sabrina, Bellamy, and Jake	40%	11/18/24	12/6/24
Resolve DEXI issues	Jack and Max	30%	11/18/24	12/3/24
Fix sphero ramp and push mechanism of RVR	Max	100%	11/18/24	12/3/24

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