

Tasks

Tasks	Personnel	In Progress	Completed
Finish final proposal	Everyone	Y	Y
Read Haar cascade documentation	Andre, Byron, Corbett	Y	Y
Read Tello drone documentation	Parker, Zachery	Y	Y
Create team website and add personal website links	Corbett	Y	Y
Create personal websites	Everyone	Y	Y
Create GitHub repository for the team	Andre	Y	Y
Develop code to allow the UDP video stream connection to be reusable	Parker	Pivot	Pivot
Develop code to allow the UDP drone control connection to be reusable	Zachery	Pivot	Pivot
Develop code to find height of drone	Corbett	Y	Y
Develop code to find distance from drone camera to face	Byron	Pivot	Pivot
Develop code to allow drone to receive commands from computer input with cv2	Corbett, Andre	Pivot	Pivot
Develop code to allow computer to receive video stream from drone	Corbett, Byron, Andre	Y	Y
Port FSM code to Python	Parker, Zachery	Y	Y
Add FSM code and diagram to GitHub	Parker, Zachery	Y	Y
Complete FSM code	Parker, Zachery	Y	Y
Modify code to use PyGame to issue commands to drone	Corbett, Andre	Y	Y
Integrate face detection and annotations	Byron	Y	Y
Integrate FSM Python code with main code	Parker, Zachery	Y	Y
Modify code to use PyGame to create video stream window	Corbett, Andre	Y	Y
Prepare preliminary proposal report and slides	Everyone	Y	Y
Integrate face detection and controller code	Corbett, Byron	Y	Y
Modify code to timely issue FSM response to drone	Everyone	Y	Y
Modify code to track one face	Byron	Y	Y
Debug the system	Everyone	Y	Y
Create presentation for the project	Everyone	Y	Y
Present the project	Everyone	Y	Y

Schedule

Tasks	Dates	In Progress	Completed
Finish final proposal	11/29	Y	Y
Read Haar cascade documentation	11/30-12/6	Y	Y
Read Tello drone documentation	11/30-12/6	Y	Y
Winter Break	12/17-1/18	Y	Y
Create team website and add personal website links	1/18-1/24	Y	Y
Create personal websites	1/18-1/24	Y	Y
Create GitHub repository for the team	1/27-1/31	Y	Y
Develop code to allow the UDP video stream connection to be reusable	1/27-2/10	Pivot	Pivot
Develop code to allow the UDP drone control connection to be reusable	1/27-2/10	Pivot	Pivot
Develop code to find height of drone	1/27-2/10	Y	Y
Develop code to find distance from drone camera to face	1/27-2/10	Pivot	Pivot
Develop code to allow drone to receive commands from computer input with cv2	2/10-2/17	Pivot	Pivot
Develop code to allow computer to receive video stream from drone	2/10-2/21	Y	Y
Port FSM code to Python	2/10-2/23	Y	Y
Add FSM code and diagram to GitHub	2/10-2/15	Y	Y
Modify code to use pygame to issue commands to drone	2/24-3/3	Y	Y
Integrate face detection and annotations	2/24-3/3	Y	Y
Integrate FSM Python code with main code	2/24-4/5	Y	Y
Modify code to use pygame to create video stream window	3/3-3/10	Y	Y
Prepare preliminary proposal report and slides	3/7-3/14	Y	Y
Integrate face detection and controller code	3/14-3/29	Y	Y
Modify code to timely issue FSM response to drone	4/5-4/19	Y	Y
Modify code to track one face	4/23	Y	Y
Debug the system	4/19-4/25	Y	Y
Create presentation for the project	4/25	Y	Y
Present the project	4/26	Y	Y