

FUTURE WORK/SPRING PLAN TEAM 309

Week	Task	People Responsible	Deliverable
Nov. 16	Order all the materials	Malique Akbar	
Nov. 30	Test hardware (camera and tripod) Check the speed and set up of the camera to determine whether an SD card will be needed for wifi transferring	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
Jan.4	Start creating the track extraction and shoe detection algorithm	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
Jan. 11	Form submission to include Business Model Canvas (minus Costs and Revenue) and updated team roster. This is the final opportunity to drop or add team members	Gaby Nelson	Innovation Business Model Canvas
Jan. 18	Continue to work on algorithms	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
Jan. 25	Finish the algorithm for determining the distance the runner's feet are at and the algorithm for tracking the feet of the runner	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	Completed track extraction and shoe detection algorithm
Feb. 1	Use track extraction and shoe detection data to determine stride length. Determine the number of	Malique Akbar, Gentry Darkins,	

	frames and stride length and use formula to calculate stride frequency.	Gaby Nelson, Kowe Kadoma	
Feb. 8	Continue working on algorithms	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
Feb. 15	Continue working on algorithms	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
Feb. 22	Finish the stride length and stride frequency estimations	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	Completed stride length and stride frequency estimation algorithms
March 1	Begin user interface for the app	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	Completed shoe detection and track extraction algorithms
March 8	Integrate app with the camera	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	Completed user interface (i.e. home screen and one user profile)
March 15	Integrate video processing algorithms with the app	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	System for getting the data from the camera to the app for analysis Completed stride length and stride frequency
March 22	Continue working on integration	Malique Akbar, Gentry Darkins,	

		Gaby Nelson, Kowe Kadoma	
March 29	Testing the system/troubleshooting	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	
April 5	Work on the video playback feature, such as slo-mo, play/pause, and forward/rewind	Malique Akbar, Gentry Darkins, Gaby Nelson, Kowe Kadoma	Function app that can analyze video and provide feedback
April 12	Engineering design day		Functional system with video playback Present design
April 19 (Finals Week)	Take finals		