Submission Date	2017-09-18
Project Name	
Student Name	RaspiRover Lawrence Puig
Project website	n01033296.github.io/RaspiRover
	be a rover that is created with a Raspberry pi. This allows the user to access the
	Raspberry pi database that has built in commands that can be triggered using a
NA	bluetooth/wifi device. By having a portable rover, it can access small narrow areas.
My project will	Inspired by NASA's rovers.
T he along the control of the contr	Pre-registered commands that can be activated using the mobile device via
The database will store	bluetooth/wifi.
The mobile device	the software to access the pre-registered commands on the detabase with simple CIII
	the software to access the pre-registered commands on the database with simple GUI
functionality will	settings allowing for easy operations. This may include; autopilot, a pattern movement
include	mode, and a manual state to allow the controller to move the rover freely.
Luill be celleberetir -	
I will be collaborating	
with the following	
company/department	N/A
NA., ana., m in the suinten	
My group in the winter	Alexais Areatal and Chairtagh an Albarilla
semester will include	Alenric Apostol and Christopher Albarillo
	I haliana the most difficult pout of this project is building the project tool and appeting
	I believe the most difficult part of this project is building the rover itself and creating
50 l l l	the pre-registered codes that will be triggered by the Bluetooth/wifi device. But also
50 word problem	the preparations of the project which is figuring out where to get the components to
statement	build this project with a proper budget.
	This is a soul of a soul of the district of the NACA/
	This is a prototype project that is inspired by NASA's own rover. It can be used for
	research purposes due to its small body and mobile features. In the future I hope to
	create an even smaller type rover that will be just as mobile but will also have new
	features such as; gathering raw materials and even being full automatic. This
	prototype will have three different on settings; automatic, manual and a pattern mode
100 words of	for testing. It will run off of a Raspberry Pi data base that includes pre-registered codes
background	and will be activated via Bluetooth/wifi from a mobile device software.
	Spirit Rover - Learn Raspberry Pi and Arduino the fun way! - Retrieved From,
Current product APA	https://www.kickstarter.com/projects/plumgeek/spirit-rover-learn-raspberry-pi-and-
citation	arduino-the-fu
Existing research IEEE	Halfway to Mars [next generation planetary rover] - Published By IEEE. Retrieved from,
paper APA citation	http://ieeexplore.ieee.org/document/1604839/
	Planned Purchases and components; Raspberry pi 3, Rover chasis kit, four 3D printed
Brief description of	wheels, including micro continuous rotation servos or micro servo wheels. My
planned purchases	estimated budget will be around \$100-\$200.
	This project proposal is my plan for creating my own version of a rover with the
	raspberry Pi that I will be able to integrate my own features and functions for research
Solution description	purposes, for myself and for others.