TI University Program Project Tools Donation Application

The Texas Instruments Worldwide University Program enables teaching, student and research projects that use TI technologies across the entire signal chain. We have been supporting academics with TI chips, hardware, software and teaching resources for more than 25 years. Thousands of students worldwide trust TI analog, processors, controllers and wireless technology to bring concepts to life in their courses and projects. Thank you for evaluating TI to be a part of your project. We look forward to evaluating your application for a donation of TI equipment and will contact you very soon.

To apply for tool donations for your project, please work with your faculaty advisor or instructor to complete this form and email to univ@ti.com. Please provide ample time for TI to evaluate your request. Should your request be approved, shipping leadtimes may apply and development tools are shipped to the university instructor business address.

Date: November 10, 2014

University Name: Florida State University, Florida Agricultural & Mechanical University

Department: Electrical & Computer Engineering

Requester Name: Dewey Williams

Title: Financial Manager, Senior Design Team

Telephone Number: 727-204-2940

E-mail Address: dmw10g@my.fsu.edu

Advisor/Instructor: Dr. Linda DeBrunner

E-mail Address: ldebrunner@fsu.edu

Shipping Address:

Please provide a street address if possible. If not, confirm that UPS packages can be received at this address.

2525 Pottsdamer St.

Tallahassee, FL 32310

Please indicate 'yes' below to receive email from Texas Instruments, including relevant new product, design tool and software announcements, online and in-person training opportunities and important industry events.

☐ Yes ☑ No

Project title, team (if applicable) and brief description (attach additional pages as necessary):

Baja Car Data Acquisition System – Building a data acquisition and monitoring system into an offroad vehicle for competition in The Society of Automotive Engineers' annual Baja Series competition. The system will measure speed, acceleration, fuel level, and others and display data to the driver, transmit it to the pit crew, and record to an SD card.

Check the appropriate description(s):

☐ Project within a course
☑ Undergraduate capstone/sr design project
☐ Graduate Masters, PhD or Research project

Are you registered for the TI Analog Design Contest? _____YES __✓__NO

Due date of project: April 2015 **Please Deliver Tools By:** Jan 2015

List current tools being used:

MSP430 Launchpad, XBee-PRO 900HP

List part number(s), description, and quantity of requested tools: (Consult www.ti.com or www.ti.com/university as necessary.)

TI Part Number	Description	Quantity
LAUNCHXL-TMS57004	Hercules Launchpad	1
MSP430G2332IN20	MSP430 MCU – PDIP-20 Package	10
BOOSTXL-IOBKOUT	Launchpad 40Pin I/O Breakout Booster Pack	1
MSP-EXP430G2	MSP430 Launchpad Dev Kit	1

Please complete the following chart if the project is part of a course:

Class (include course name and number and instructor)	Number of Students per Year	Required or Elective?	Who takes this class?					Number of times taught each year	Tools currently used (please fill in even if using non-TI product)	Will you still use the previous tools once you receive this grant?	Of the requested tools, which ones will be used in this class?
			Fr	Soph	Jr	Sr	Grad				

Please provide the website that you will post your results of the project, code sharing, Youtube videos, etc

http://eng.fsu.edu/~willidew/baja

What date will the materials be posted so that TI can link to your results

Updates will be posted periodically as the project is completed. The project will be completed in April 2015.

Briefly describe any publications or conference presentations you plan to publish that could be shared with other academics or industry as a result of the project. (can be on line lab materials, documentation, textbooks, workbooks, conference papers, software, videos of projects, or other materials)