

**TECHNOLOGY
NEEDS ASSESSMENT APPLICATION**

Technology: Programs should list the technology needed to provide ongoing service or instruction, and an approximate cost of the request. Requests for one-time programmatic equipment should be listed in the appropriate category above. *Technology that is listed in this category will be forwarded to Campus Technology Services to evaluate through their own processes.*

Name of Person Submitting Request:	Richard Jaramillo/Achala Chatterjee
Program or Service Area:	Diesel Technology
Division:	Applied Technology Transportation and Culinary Arts
Date of Last Program Efficacy:	2010
What rating was given?	Continuation
Amount Requested:	10,000
Strategic Initiatives Addressed:	6.1 and 5.2.4

1. What technology equipment are you requesting?

The Transportation Building where Diesel is housed is probably the only instructional area on the campus where WIFI is not available to students. Thus students in the Diesel program cannot use their own laptop in the classroom. Most of the repair manuals and state regulations are on line. Thus students need access to internet to get regulatory data, parts catalog, technical references and industry updates which are required for them to complete the tasks assigned to them in the lab. There are no computers that students can access. Ten computers need to be installed in the common area so that students can use the computers. It is not feasible for these students to go to other areas to access computers as the building is far from the campus resources. The reason Maintenance moved from the building is because it was deemed too unsafe for the staff to cross the Grant avenue using golf carts or similar vehicles. This request supports the campus wide strategic initiatives of student success and institutional effectiveness. It also supports campus wide strategic initiative to provide Technology.

2. Indicate how the content of the latest Program Efficacy Report and/or most current EIS data support this request. How is the request tied to program planning? (*Reference the page number(s) where the information can be found on Program Efficacy.*)

The last Efficacy was done in 2010 and the status was continuation. There was a dip in retention by 12% between 09-10 and 11-12. This was rather unfortunate and we hope it was an anomaly. The program was in a morass for last two years as the only full time faculty in the department was on the verge of retirement and was creating a competing program at TET, a private institution, located at the San Bernardino Airport. The faculty retired in March 2012 in the middle of a semester creating uncertainty in the classroom. Now the program is starting to grow again. New energetic adjunct instructors have been hired and there is an air of enthusiasm in the building.

The department is currently updating the curriculum to align with National Automotive Technicians Education Foundation (NATEF) certified programs in diesel. This is the first step in

the process of gaining certification.

3. Indicate if there is additional information you wish the committee to consider (*for example: regulatory information, compliance, updated efficiency and/or student success data or planning etc*).

A member of the Industrial Advisory board is going to donate seven 2007 Mercedes Benz trucks to the department in early 2013. He is awaiting approval from AQMD. This will allow the department to dispose of old 1980's trucks with outdated technology. Students will be able to practice on current technology engine. The Industry Advisory Board is very enthusiastic and helpful and usually meets every 4-6 weeks.

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources. (for example Department Budget, VTEA or Perkins)

Initial cost will be about \$10,000 and then there will be on-going cost of upgrading and maintaining. Since the students are mainly going to use the computers for internet, they do not have to be the latest, newest computer. This department will be happy to get some that may have been discarded by the departments located in the newer facility with the latest technology and comfortable classroom.

5. What are the consequences of not funding this equipment?

The program will not pass the NATEF certification process and the students will not be able to complete assignments on time or access reference data to diagnose systems. Hard copies of maintenance manuals are no longer available. The program has bought subscription to the maintenance manuals and they have to be access on line. Thus the learning and the teaching cannot continue without the technology support.