

FACILITIES NEEDS ASSESSMENT APPLICATION
Fall 2016

Name of Person Submitting Request:	Tarif Halabi, Achala Chatterjee
Program or Service Area:	Electricity/Electronics, WST
Division:	Applied Technology, Transportation, Culinary Arts
Date of Last Program Efficacy:	Spring 2015 Mini Review(Electrical), Spring 2016 spring program review(Water)
What rating was given?	Continuation (Electrical), Continuation (WST)
Type of Facility Requested:	Two Complete Supervisory Control Automation and Data Acquisition (SCADA) trainers to expand and Augment The Water Distribution and Maintenance Program as well as Industrial Automation and Electrician Programs
Amount Requested (if available):	\$200,000.00
Strategic Initiatives Addressed: (See http://www.valleycollege.edu/about-sbvc/office-of-president/college_planning_documents/documents/strategic-plan-report-working-doc-8-25-15-2.pdf)	3.7, 6.1, 2.9.1, 6.6.3

NOTE: To facilitate ranking by the committee, submit separate requests for each project; however, multiple items can be submitted as one request if it is required that the projects are packaged together.

It is suggested that you meet with Robert Jenkins – Director, Facilities, Maintenance, & Operations - prior to submitting a Facilities Needs Request. 909-384-8662 or rjenkins@sbccd.cc.ca.us.

Capital Improvement Repair

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes NO

If yes, what are they? _____

1. Provide a rationale for your request. (Explain, in detail, the need for this project.)

The Applied Technology Building is one of the oldest buildings in the college. The programs has far outgrown the facility two decades ago. Unfortunately new building will not be built for another years or more. Water program was moved from the Science Division to Applied Technology Division. The program has no dedicated lab in the division. Electronic/Electricity department has also outgrown the lab space that it has. We need an instrumentation/automation lab to house the SCADA (supervisory control and data Acquisition) equipment and to teach the

lab class. SCADA equipment is large approximately 4 feet by 4 feet by 5 feet. Two units with space for faculty and students to work around it and classroom space would require one single portable unit. Since a permanent facility will not be built in near future, we would like a portable classroom space. This can be accomplished in two ways. One would be to repurpose an existing portable unit on campus for the purpose or to purchase/rent another portable unit.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

Both WST and Electricity departments action plan is to improve enrollment in the program. By offering a career path in utility industry that includes instrumentation and automation would help increase enrollment in the program. It would also revive the program as we would be offering cutting edge technology and path to high paying jobs by offering training in SCADA. From the Electricity departments view, it would directly support the Industrial Automation, power technology as well as the General Electrician programs and will definitely enhance their effectiveness and would increase student enrollments because it would provide a strong employment pathway to the many local industries found around our community.

3. Indicate any additional information you want the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

The CTE programs in the division are working to provide cutting edge, relevant training to students in both the Electricity as well as WST programs. This Facility would be used by these multidisciplinary programs and would serve our students tremendously and would overcome being housed in the oldest and most outdated building on the campus while helping to grow our enrollments.

4. What are the consequences of not funding this facilities request?

Without a lab we will not be able to offer the PLC/instrumentation courses effectively, a training which is in demand by the local warehousing and logistics industry. If you look around, you will see large Amazon, Stater Brothers, Target and other warehouses growing very fast in the inland empire. They all require skilled technicians to maintain and support these automation systems as they have indicated their needs within our advisory board meetings.