



HENRY FORD COLLEGE

Technology Investment Fund (TIF)

Application for Funding

This form and any attachments must be submitted electronically to the chairperson of the Technology Investment Committee by the published deadline date. (This application may be submitted as a document separate from the attachments.)

Please read the Outline of Approval Process and Expectations of Applicants/Project Directors on the last page, and check the box stating that you agree to the terms of the expectations.

Date of Application: 9/15/2019	Strategic Planning Initiative ID #: 1860
Project Name: Electronic Training Units	Total TIF Funds Requested: 10,956.01
Project Director(s): Glenn R. Wisniewski	Department/Division/School: BPED
Summary of Project <i>(Please limit to one paragraph.)</i>	
<p>We are asking to purchase flexible electronic/electrical training units to support the Trade and Apprenticeship program. This equipment will support multiple courses. It is flexible which allows the industry available components to be supported, thus not being dependent on specific components which may become outdated or upgraded by OEMs.</p>	
Detailed Description of Project	
<p>Describe your project as specifically as possible. What do you propose to do, and why do you propose to do this?</p> <p>The PB-507 Lab manufactured by Global Specialities will support the construction of basic Electrical and Electronic circuits for the purpose of:</p> <ul style="list-style-type: none"> * Demonstrating fundamental principles of the electrical and Electronic Technology * Allow Students to utilize test equipment in the evaluation and troubleshooting of typical Electrical and Electronic circuits. * Allow students to use common components in the simulations <p>Each trainer includes the necessary power Supplies, Mounting hardware (Proto - Strips) and switches to support the construction of common circuits.</p> <p>This equipment is stand alone hardware and requires no additional facilitation to launch. It is powered from a standard 120 volt AC outlet.</p> <p>Add the components (which are already available) and lab is ready.</p> <p>Presently this equipment is not available to the Trade and Apprenticeship program and would greatly enhance the capabilities of the School.</p>	
Student Impact	

How many unique students will be served each academic year (Fall through Summer) by your project? The term "unique students" refers to unduplicated headcount. Provide detail (course numbers; titles; and enrollments, for example).

The following courses can be supported with this equipmeny:

- * TAEEL 103
- * TAEEL 105
- * TAEEL 106

These are the fundamental electrical courses taken by electrical trades.

Examining the Fall 2019 Enrollment, unduplicated headcount cannot be accurately determined. However during the Fall term there are at least 6 classes in these areas with each having 15 to 20 students. The Spring Term experiences simular activity. Therefore up to 120 students will be impacted by this equipment in fall and spring.

Project Relevance to Technology Investment Committee Guidelines
(Address only those that apply.)

Explain how the project provides technology to multiple courses or programs.

Since the equipment is flexible, any and all common components can be supported by these trainers.

Explain how the project introduces student access to technology where it has not been available.

Trade and apprenticeship students are presently using breadboards that are outdated and not capable of supporting current technology.

Explain how the project promotes innovation.

Since these trainers will support current components, the faculty can explore additional technology that is not presently evaluated in lab. These technologies include: SCRs, Triacs, Diacs, Puts, Power transistors and more. These components are commonly reffered to as Solid State Power Control Devices.

Explain how the project promotes curricular revision.

The listed technologies above are common in the insudtrial work place. Having the capability to perform labs on this technology will allow the courseware to evolve to reflect current technology.

Explain how the project supports areas that have established themselves as leaders using technology.

Solid State Power control is embedded in all current industrial applications of variable frequency drives and programmable controllers. The components that we will be exploring are the building blocks of that technology.

Are you pursuing additional funding sources? If so, what are they?

No .

Project Budget

What will be purchased? (Include model numbers, if appropriate.) What is the cost? Include amounts that are committed from funds other than the Technology Investment Fund, and indicate the source of those other funds.

We are requesting the purchase of 13 PB - 507 lab units from Global Specialities at a cost of \$10,956.01. No other funds are included.

From where will funds for future maintenance needs, consumables, and such come?

Lab fees added to all trade and apprenticeship courses will support the consumable costs associated with this initiative.

Forward any support for your budget (quotes, for example) to the chairperson of the Technology Investment Committee, and indicate here what has been forwarded.

Quotes are attached.

Rank your needs so that the Technology Investment Committee will have guidance should only partial funding be available to recommend.

This is of primary importance.

Project Location and Equipment Security

Describe specifically where items to be purchased will be located or installed. Forward to the chairperson of the Technology Investment Committee room-layout diagrams if appropriate.

The equipment will be located in room E 240. No installation is required.

Indicate the status of any necessary approvals for using the space in which items will be located or installed.

None

Who, specifically, will do the installation?

Glenn R. Wisniewski

How will equipment purchases be secured?

It will be housed in the locable drawers located in the lab benches.

Have you discussed with the Executive Director of Facilities Services to determine what, if any, infrastructure modifications are required to support this project such as electrical upgrades, locks, etc.? What has been determined?

None required.

Have you discussed with the Director of Network and IT Infrastructure to determine what, if any, software and/or network infrastructure modifications are required to support this project? What has been determined?

None required

Evaluation

How, specifically, will you determine the success or shortcomings of your project?

Student and Faculty and Advisory committee feedback should justify this purchase..

TIF Funding: Outline of Approval Process and Expectations of Applicants/Project Directors

1. Your project must be consistent with the description of the purpose of the Technology Investment Fund (See II.D.210 in the Faculty Organization Handbook.) and must have been submitted as part of your division's operational plan. Assuming that your project has not been funded otherwise (from general College funds or through Perkins funding, for example), you may complete and submit the application for TIF funding by the announced deadline.
2. A meeting will be scheduled for you to present your project to the Technology Investment Committee. You will be asked to give a short presentation and to take questions from Committee members about your project. The Committee will then meet to determine whether to recommend funding for your project. Please remember that even projects with great apparent merit may not be recommended for funding due to limited funds or other factors.
3. The recommendations of the Technology Investment Committee are forwarded to the President for consideration. Should your project be recommended by the Committee for funding and should the President concur with that recommendation, the funding request is placed before the Board of Trustees for consideration.
4. If your funding request is to be brought before the Board, the Technology Investment Committee Chair will notify you of the date of the Board meeting at which your request will be discussed. You or someone familiar with your project should plan to attend that meeting to answer any questions Board members may have.
5. The Board of Trustees will not actually vote whether to allocate funds for your project until the meeting following the meeting at which your project is discussed. The Board generally does not ask further questions about projects during the meeting in which it takes the vote. The Technology Investment Committee Chair will notify you of the outcome of the Board's vote.
6. Assuming that the Board votes to allocate funds to your project, you will work with the Office of Financial Services and Auxiliary Services and with Purchasing to use your funding to complete your project. (A copy of your proposal will be forwarded to the Purchasing Director.) You are responsible for coordinating the work to be done to complete your project including any tasks required during the Spring and Summer semesters.
7. During the third full semester (Fall or Winter semester) following the semester during which your funding is awarded, you will be asked to provide a written report evaluating your project and to present this report to the Technology Investment Committee.

I (We) have read the TIF Outline of Approval Process and Expectations of Applicants/Project Directors and do agree with the terms of the expectations.

Name(s): Glenn R. Wisniewski

Date: 9/15/2019

Hello Glenn,

Thank you for emailing us. We look forward to working with you. Listed below is the pricing you requested.

ITEM	PRICE	QTY	TOTAL
 Global Specialties PB-507 LAB PB-507 Plus Courseware and Kit Weight: 15.00 lbs.	\$1,215.00 \$842.77	13	\$10,956.01

Terms Net 30 or Credit Card / PayPal

Net Terms If you do not already have terms with us click here to learn more: <https://www.tequipment.net/credit-application/>

Sub Total \$10,956.01

Shipping (Ground) FREE

Total: \$10,956.01

Fax / Email Purchase Orders

OR

PLACE ORDER ONLINE

To place your order on a purchase order, please email or fax your PO to either orders@tequipment.net or 732-222-7088, whichever is more convenient.

Thank you for choosing Tequipment.

Check out what our customers are saying!

Chat with us, powered by LiveChat

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