Henry Ford Community College
Technology Investment Fund
Project Funding Request

Fifteen copies of this application form must be received by the Vice President/Controller's office by 4:00 p.m. on either **the first Friday after Labor Day** (Fall semester) or **the third Friday in January** (Winter semester) in order to be eligible for funding. Applications will only be accepted on this form. Applications must include an Executive Summary which will be shared with the Campus Community. **(Attach additional sheets for any section needed.)**

Date of Application: January 2011	Project Type: [ ] New [X] Upgrade/Expansion	
Project Director: Sandro Silvestri Department/Division: Administrative Data & Voice Communications	How many students will **directly** benefit from the project? All faculty, staff, students	Total TIF Funds Requested: $250,000

Problem Statement

Define the problem/idea. *(What do you want to do? Why?)*	Currently, the College has wireless capacity in every campus building. The wireless infrastructure was obtained in 2004 through a donation from the foundation. While the system has worked well, the system is in serious need of an upgrade. • The wireless controller went to end-of-life in 2008. If the controller fails, we will not be able to control the wireless network. The current controller has no built in redundancy. • A majority of the campus access points are at 802.11b and support bandwidth up to 11 Mbp and can support one signal at a time. These APs will reach end-of-life in 2011. • The latest generation of access points are at 802.11n and supports bandwidth up to 100 Mbp and can support multiple signal. • The current wireless system simply was not designed to handle the ever increasing demands of notebooks, netbooks, tablets, and smartphones and needs to be expanded.

Evidence for Project Validity
(What is the current situation?)

What resources do you have/use now?	DVC personnel will work on the project.
Why can't you use your existing resources to do this project?	General funds (DVC) are used to support IT Infrastructure.
What evidence do you have that this project will be successful? *(Cite specific information.)* • Current research • Examples from other schools or teachers • Letters of support from experts in the field • Your own past experience.	Cisco wireless technology is well proven and is an industry standard and is in use at the college.

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

INNOVATION: Is the proposal innovative to the field of Instructional Technology?	This is an infrastructure proposal and, while it will be used by the entire college community, is not strictly related to instruction. When fully implemented, the system will cover up the entire college.
Is the proposal innovative to HFCC?	This will provide a significant improvement in the level of wireless service provided to the college community.
Is the proposal innovative to the specific discipline?	N/A
NEED: Is the proposal essential for the instructional design?	N/A
Does it create new programs or courses with the potential for increased student enrollment?	N/A
Is it necessary to remain competitive with post-secondary institutions?	While the older wireless technology is still in use, the system is being seriously taxed by the increase in demand for wireless access. Students expect reliable, high speed wireless access.
Does it provide skills that are transferable to the workplace?	N/A
Does it prepare students for transfer to upper-level curriculum?	N/A

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

Does it keep the course or program current in the related technology?	N/A
NATURE OF PROPOSAL: **Is the proposal a component of curricular revision?**	N/A
Is it the next logical step in the evolution of the course/curriculum?	N/A
Will it help attract students to HFCC?	The more and better services we can offer to students, the greater the impact on the recruiting and retention of students.
Will it support HFCC community outreach/public relations activities?	N/A
Will it support student retention activities at HFCC?	The more and better services we can offer to students, the greater the impact on the recruiting and retention of students.
Will it become an integral part of the course, program or curriculum?	This technology will be available to every segment of the college community.

Resources	
Where will the project hardware be installed?	HFCC network rooms, network closets, offices, classrooms, and common areas.
Who will do the job? • **List the personnel** • **List their duties**	DVC personnel and consultants
Who will use the hardware?	The core hardware will be in a secured network rooms. APs will go into offices, classrooms, hallways, and common areas.
Who will conduct any necessary project-hardware training?	Training on the support of the new system will occur during the installation.
Who will handle any spring and summer semester duties related to hardware installation?	DVC personnel
Do you have commitment from your administration for personnel support? *(Be specific, include documentation.)*	Yes.
Is release time required to complete this project? **If yes, has it been approved at this time by your Associate Dean?**	[ ] Yes [X] No [ ] Yes [ ] No	*TIF does not fund release time. If you are requesting release time, it must be approved by the appropriate administrators prior to proposal submission.*

Evaluation
(How will you know if it worked?)

How will you demonstrate to the college that this was an effective use of funds? *(How will you evaluate the goals listed as Expected Outcomes?)*	The success and effectiveness of the project will be readily apparent as the new system is rolled out. As the system is installed, wireless capacity and speeds will improve.
How will you determine the success or shortcomings of the project?	If the system is installed and new features are rolled out, the installation will be successful.

Budget
(You must also include an itemized budget statement.)

What do you need to complete this project? *(Be specific about equipment, software, and training.)*	See attached for details
What is the TOTAL COST? *(You must attach an itemized cost analysis with this proposal.)* **Total Cost - $250,000**	Wireless Survey - $20,000 Replace up to 100 APs – $100,000 Wireless Controllers - $85,000 Installation Services - $15,000 Switches - $16,000 Maintenance - $14,000
How recent is your quote?	Quotes were obtained within the last 90 days.
Are changes to the college infrastructure necessary to support this project?	[X] Yes [ ] No *This is an infrastructure proposal.*
What other monetary commitments exist? *(Department/Division/ External) Please be specific; include documentation wherever possible.*	Annual support and licensing costs will be covered by the general funds.

If other sources of funding are not available, why? • **Doesn't have the support?** • **Not viewed as feasible?** • **Not a priority?** • **Other?**	

Strategic Plan

Include with your application a document that indicates the ways in which your project addresses the goals and objectives of the Henry Ford Community College Strategic Plan. Also, indicate how your project addresses your Division or Department plan. Be as specific as possible.

This project addresses the following Strategic Goals & Objects:

Develop and manage College resources to enhance the fiscal health and operations of the College.

a.)   Continually evaluate new and existing technologies and make enhancements that increase effectiveness.

g)   Ensure that the College's physical facilities, equipment, and technological infrastructure support fulfillment of the College's Mission.

If your proposal is Non-Instructional (Library Services, Learning Lab, Counseling, Placement Services), please skip this section and complete the information in the Non-Instructional section.

Instructional Proposals
Complete this section if this is an Instructional Proposal, directly impacting student teaching and learning.

Expected Outcomes *(Project Objectives)*	
What is your current teaching method? How will this project fit into your current plan?	
How will this improve student learning? *(List specific goals.)*	*As a result of this project students will:*

Instructional Proposals (continued)

State how the project addresses the Seven Principles of Good Practice in Undergraduate Education. *(Address only the relevant criteria.)*	
Supports student-faculty contact	
Supports cooperation among students	
Supports active learning	
Supports prompt feedback	
Supports time on task	
Supports high expectations	
Supports diverse talents and ways of learning	

SIGNATURES:

**Project Director	Date	*Associate Dean/Department Head	Date	*Vice President	Date

**Director of Building & Grounds	Date	**Director of Data & Voice	Date

* For notification purposes only
* * For project feasibility

Non-Instructional Proposals

Complete this section if this is a *Non-Instructional Proposal*, related to college areas that serve and support student instructional progress. (*Non-Instructional areas include Library Services, the Learning Lab, Counseling, and Placement Services.*)

Expected Outcomes *(Project Objectives)*	
What will this project accomplish that you can't accomplish now?	While we currently wireless network, it is rapidly becoming obsolete and needs to be replaced.
How does the project enrich or support the learning, teaching, or communication technology needs of students? *(List specific examples.)*	Students demand high speed, reliable wireless connections for their multiple wireless devices.

SIGNATURES:

_____
Vice President　*M Duean* 1/6/10 Date

_____   _____
Project Director　　Date　　***Associate Dean/Department Head　Date

Jandro Silvestri

1/4/2011

_____   _____
Director of Building & Grounds　Date　　****Director of Data & Voice　Date

* For notification purposes only
* * For project feasibility

Henry Ford Community College

Technology Investment Fund
Project Funding Request

Executive Summary

DATE OF APPLICATION	PROJECT TYPE	
January 2011	☐ New	X Upgrade/Expansion
NAME OF PROJECT DIRECTOR OR PRESENTER	**DEPARTMENT/DIVISION**	
Sandro Silvestri	Administrative Data & Voice Communications	
COST OF PROPOSED PROJECT	**NUMBER OF STUDENTS SERVED ANNUALLY**	
$250,000	All faculty, staff, & students	
SUMMARY		

At one time, campus wireless networks were considered a luxury. Now, students demand high speed, reliable wireless access. From notebooks to netbooks to smartphones to tablets, the demand for wireless network capacity has been steadily increasing.

While HFCC has a working wireless network (installed in 2004), the time has come to upgrade the system and move to the latest generation of wireless technology. Right now, the demand for wireless resources is growing and the wireless bandwidth is too limited and the 802.11b equipment in use is out of date.

HFCC has always been able to provide a high level of technology for faculty, students and staff. If the wireless network is not upgraded and expanded, it is likely that HFCC will be viewed by incoming students and future faculty as being behind the technology curve. This would put us at a disadvantage in attracting and retaining student.