



**Henry Ford College
Technology Investment Fund
Progress Summary**

NAME OF PROJECT DIRECTOR		SCHOOL/DEPARTMENT/DIVISION
Joe Zitnik		Information Technology Services
CURRENT DATE	SEMESTER GRANT AWARDED	PROGRESS REPORT STATUS (Please check one of the boxes.) <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final
02/23/2018	Winter 2017	

PROJECT DESCRIPTION: *Provide a brief summary of the project.*

This project was to partially fund new enterprise storage for HFC.

ITEMS PURCHASED: *Please indicate how you spent the funds allocated to you. Where are items purchased currently being used? (Attach a separate sheet if necessary.)*

The funds were used to help purchase a new hybrid storage array, a Nimble SAN. This storage will be used for the college's HANK system, the storage of HFC's shared data, and student and staff home directories. HFC's virtual servers run off of the SAN, and any new or additional servers or storage would be housed on the new SAN.

OUTCOMES EXPECTED: *What were the outcomes/goals expected from the project as listed in your original proposal?*

The college lacked sufficient enterprise storage. The current system was overburdened and was not capable of meeting the college's storage needs going forward. The goal was to increase storage to allow for exploding data demands, have sufficient storage available to grow the college's computer infrastructure as needed, and have enough storage available to protect the college from things such as ransomware by allowing the college to snapshot datastores for quicker recovery in the event of a malware infection.

PROJECT EVALUATION: *Please summarize how the project was evaluated and the result of that evaluation. What evidence do you have that the outcomes/goals were or were not met? Please include data collected – questionnaire results, etc. Were there any benefits you may not have expected? Were there any liabilities you may not have expected? Please share any strengths and weaknesses of the proposed project. Your candor will be of help to others.*

The hardware for the SAN was just installed at the beginning of February. HFC ITS is still in the process of configuring the SAN for the migration of the data. The capabilities of the new SAN far exceed our existing storage. The new SAN has nearly as much flash storage as the previous SAN had total storage. The new SAN has over ten times more storage than our existing SAN and has faster connectivity to the network. In addition, the new SAN offers predictive analytics, where metadata from all Nimble storage arrays, over 40,000 devices worldwide, contribute to developing new software to improve operation, and fix potential issues before they arise. The original SAN we had provided 18 terabytes of enterprise storage, the new device gives us over 180 terabytes of storage and, with an upcoming software release, will provide over 250 terabytes of storage.

Form updated 02-23-18