

Idaho Incubation Fund Program

Progress Report Form

Proposal No. IF17-003
Name: Gaby Dagher
Name of Institution: Boise State University
Project Title: Cyber Forensic Investigation Toolkit (CFIT): Next Generation Evidence-gathering for Law Enforcement
Reporting Period: July 1, 2016 to December 30, 2016

Information to be reported in your progress report is as follows (attach additional information as needed):

- Summary of project accomplishments for the period just completed and plans for the coming reporting period:

Per our project plan, there are two main tasks to be completed in the first half of the project: *user-centric interface* and *quality assurance*.

Task#	Task	Description	Completeness %
1	User-centric Interface	Design and implement a user-centric interface for each of the CFIT engines: <ol style="list-style-type: none"> Indexing Engine Clustering Engine Search Engine 	100%
2	Quality Assurance	Design test cases, define quality measures, and construct and execute a quality assurance plan to thoroughly test CFIT, including the new user interface, and ensure it meets the defined quality measures.	80%

The plan for the coming reporting period is as follows:

Task#	Task	Description	Timeline
1	Quality Assurance	Complete the testing and bug fixing phase	January
2	Benchmarking	<ol style="list-style-type: none"> Benchmark (Jan-Mar): Measure CFIT accuracy, efficiency and scalability against existing state-of-the-art cyber forensic tools, including 	January - March

		Forensic Toolkit® by AccessData Group, Inc., and EnCase® by Guidance Software, Inc.	
3	Marketing	<p>Execute the following plan to market the CFIT to cybersecurity companies, and to law enforcement agencies at the local, state, and federal levels:</p> <ol style="list-style-type: none"> 1. Business Summary: define KPIs, identify market and target customers, poll customers, identify competition, and define CFIT value proposition. 2. Product Strategy: identify the key features to launch in CFIT portfolio, along with any bundling plans, determine special promotions or other strategies that will help sell CFIT. 3. Channel Strategy: identify primary channels to sell CFIT and to educate and support customers, identify resources and training that will drive channel performance. 4. Marketing Strategy: define the activities to drive awareness and generate leads for CFIT. 5. Customer Experience: anticipated customer journey, starting with how customers first hear about CFIT, their purchase, activation, and renewal. 6. Technical Requirements: document the technical requirements needed to support CFIT. 7. Evaluation: prioritize the factors to measure success, such as reaching a certain volume of sales of CFIT in specific channels. 8. Timeline and Execution: identify the timeline for execution, including next steps, the critical path for decisions, and key milestones. 	March - June
4	Online Capability	Explore how to expand CFIT capability to analyze webpages, blogs and chat rooms.	January - February

- Summary of budget expenditures for the period just completed (include project burn rate):

The \$17,335.71 that has been spent, and the 5 months it was spent in (July through Dec.) (Note payroll has posted for pay period ending 12/17/16), the burn rate is \$3,151.95 per month.

- Numbers of faculty and student participation resulting from the funding, including internships:

faculty: 2

student: 8

Name	Position
Gaby Dagher	Faculty
Jyh-haw Yeh	Faculty
Tyler Enderson	Undergraduate Research Assistant
Tara Felzien	Undergraduate Research Assistant
Kevin Kirchhoff	Undergraduate Research Assistant
Anthony Machado	Undergraduate Research Assistant
James Murray	Undergraduate Research Assistant
Monica Robison	Undergraduate Research Assistant
Patrick Spence	Undergraduate Research Assistant
Trevor Rice	Undergraduate Research Assistant

- List patents, copyrights, plant variety protection certificates received or pending:

N/A

- List technology licenses signed and start-up businesses created:

N/A

- Status of private/industry partnerships (include enough information to judge level of engagement):

Per the project plan, we will conduct market research and pursue industry partnership in the second half of the project.

- Any other pertinent information that will indicate to the council that the project is meeting satisfactory progress.

We have already done a quick market research and found out that there is a huge demand for online evidence extraction tools. We are currently exploring how to expand CFIT to analyze blogs and chat rooms.