**High School Mentor/Mentee Scope of Work**

Mentor Name: Valerie Bookwalter (bookwalt@jlab.org

Office Location: Test Lab (Bldg58/Rm2208)

Mentee name:

Mentee Jlab email:

Description of scope of work for mentee:

SRFOPS Pansophy R&D Support

The Thomas Jefferson National Accelerator Facility (Jefferson Lab) is seeking a student intern for a position in the Superconducting Radio Frequency (SRF) Department, Project Support Group (SRFPJS). The Department is responsible for the design, development and testing of superconducting accelerator hardware for accelerators around the world.  The Project Support Group provides QA and Software support for the SRF department. The software supported is an information system which is a critical element in the Project's Quality Assurance program and is the prime data collection and retrieval product utilizing web/database construction. The support efforts also require maintaining existing code as well as developing new web-based applications that expand the functionalities of the local data management system, Pansophy.  Software used in support of Pansophy includes: HTML, ColdFusion, Java, JavaScript, and PERL languages; Oracle and PL/SQL; MS Excel, MS Word and macro generation utilizing visual basic. The intern will work directly with the software team members to create a module to support the SRF R&D Materials Sciences efforts in the research of particulates in the CEBAF Accelerator.

Location(s) of mentee’s workplace:

SRF TestLab (Bldg58)

Does the mentee need to have accelerator site access?

No

Instruments/equipment used by mentee:

Computer

Hazards:

ODH

RAD

Specific training for mentee that needs to be added to JTA:

ODH

GERT

Qualified Designated Alternate to support mentee in Mentor’s absence:

Megan McDonald (megan@jlab.org)

Other personnel who may work with the mentee:

Mike Dickey (mdickey@jlab.org)

\_\_\_\_Valerie Bookwalter\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mentor Name (printed)

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Mentor Signature Date