Developing Ready-to-Use Hands-on Labs with Portable Operating Environments for Digital Forensics Education (INFER)

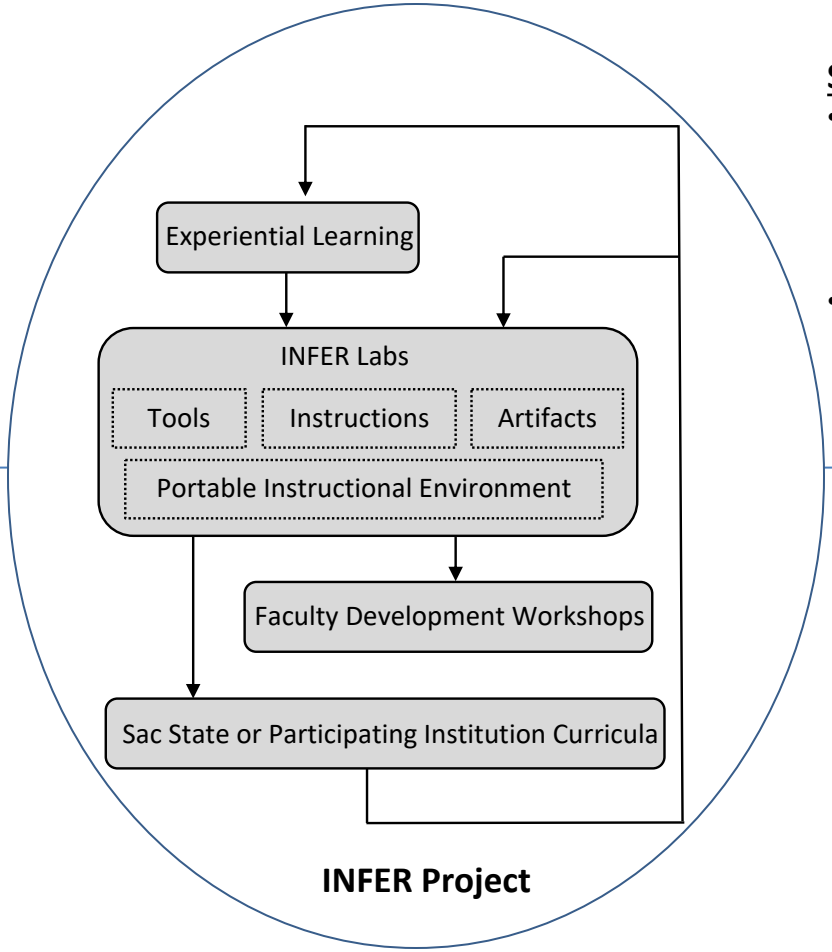
SACRAMENTO STATE

Challenge:

- Lack of systematic and comprehensive hands-on labs that are readily available and easy to adopt for digital forensics education
- Lack of understanding towards the impact of experiential learning in digital forensics education

Solution:

- Design and develop a suite of step-by-step hands-on labs in digital forensics
- Develop accompanying portable instructional environments
- Integrate the INFER labs into Sac State curriculum and distribute them to other institutions



Scientific Impact:

- Introduce a suite of digital forensics hands-on labs that are comprehensive, adjustable and ready-to-use, and cover various tools, platforms, and areas of digital forensics
- Help understand the impact of experiential learning on the digital forensics student learning outcomes through INFER labs

Broader Impact and Broader Participation:

- Enhance the digital forensics curricula at Sac State
- The INFER labs can be adopted by a broad spectrum of audience with proper adjustment
- The project broadens participation of underrepresented groups in digital forensics education

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