Collaborative Education: Building a Skilled V&V Community
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Project Outcomes
Through a Collaborative Industry-Academia partnership Robert Morris University has developed 40 hours of active learning tools on Software Verification and Validation (V&V). The developed materials can be used entirely for a new course on V&V or for enhancing an existing course on V&V.

V&V Focus Areas
- Requirements Management
- Software Reviews
- Configuration Management
- Software Testing

Student Competencies
Course modules allow students to gain experience & expertise in the following skill sets:
- Communication Skills
- Applied Knowledge of Methods
- Applied Knowledge of Tools
- Research Skills

Target Population
The developed materials can be used for:
- Junior/senior Undergrads majoring in software development fields of study
- Software Practitioners for on the job training

Academic Development Partners:
Milwaukee School of Engineering, WI, Virginia State University, VA

Industry Development/Implementing Partners:
Eaton Electricals (Electrical meters), ServiceLink (Mortgage), JDA (Supply Chain), PNC/PINACLE (Banking), ANSYS Software (Simulation)

Active Learning Tools Topics

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What do Instructors and Students say?

Content Development Methodology
Focus groups: Decide on Active Learning Contents and Formats (case study, class exercise, or case study video)

Video Case Study Samples
A scene from "SCRUM Scenes"

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