

Jackson State Community College (JSCC), Computer Information Technology (CIT) program encourages CIT students to compete in competitions that can help students experience real world scenarios in Cyber Security. The Tennessee Board of Regents (TBR) and Cloud Range Cyber, LLC, developed a Pilot Program for TBR community college students to participate in real world cyber attack scenario simulations. The TBR – Cloud Range 2021 Pilot Program allowed students to experience a cyber attack scenario, then to be able to apply skills they had obtained in the Cyber Security curriculum to troubleshoot and defend the cyber attacks. Each student selected two simulations from the program curriculum, which were two hours each. After completing each of the sessions, students completed an assessment on the cyber attack scenario. We had 33 students to participate and complete the pilot program.

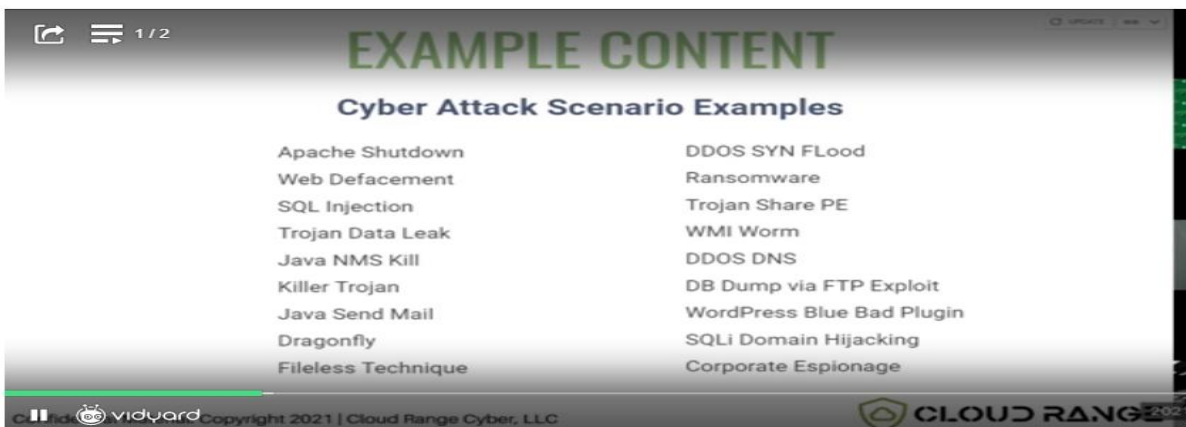
TBR-Cloud Range 2021 Pilot Program Overview



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CLOUD RANGE ROLES

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PILOT PROGRAM OVERVIEW

PILOT OBJECTIVE:

Augment and enhance existing cybersecurity programs by providing simulation-based training exercises to students

- Allows TBR students to graduate having **experienced multiple real, live cyber attacks** with an understanding of how to detect and respond to them --- skills missing for the majority of cybersecurity professionals today.
- **Provides competitive advantage in the employment marketplace.**

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PILOT PROGRAM OVERVIEW

- **Each student can participate in 2 simulation exercises**
- **2 hours each**
- **5 sessions/times will be available to choose from in March/April**
- **Webinar style with live interaction with instructor**
- **LMS Assessment** - Following each session, attendees will be directed to our LMS to evaluate their understanding of the attack witnessed.
- **Certificate of Completion** - Students will receive verification of their experience observing the detecting and defending against live cyber attacks

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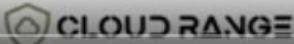

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CURRICULUM

Provided by	Topic Covered
Instructor Led	Instructor Orientation
Learning Management System	Student Orientation
Instructor Led	Simulation Exercise 1 - Apache Shutdown
Instructor Led	Simulation Exercise 2 - SQL Injection
Instructor Led	Simulation Exercise 3 - Web Defacement
Instructor Led	Simulation Exercise 4 - WMI Worm
Instructor Led	Simulation Exercise 5 - Ransomware
Learning Management System	Student Evaluation(s)



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NEXT STEPS

- Send your course info via Google Form- IN CHAT
<https://forms.gle/v1BBgMXTYLmES9py9>
- Instructors will receive schedule with link for students to register
- Instructors provide registration link to students
- Students receive confirmation and login info/invitation
- Students receive credentials for LMS
- Students attend sessions
- Students receive Certificate of Completion
- Instructors receive participation report and forwards to Dr. Leming



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Instructor	Contact Name	# of Students	Curriculum Received	Course Schedule Received
Cleveland State CC	Bob Uhl			
Columbia State CC	Deepa Janakiraman			
Dyersburg State CC	Joanne Phillips-Edley	2	✓	✓
JSCC	Tom Pigg/Dean Randy Callahan Lisa Matlock	33	✓	✓
Nashville State CC	Michael Bates			✓
Northeast State	Dr. Donna Farrell	41	✓	
PSCC	Tammie Bolling			✓
Roane State CC	George Meghabghab			✓
SWTNSCC	Brenda K. Phillips			
Vol State CC	Abbas Imam Freda Pinkerton			
WSCC	Tom Sewell			
Chattanooga State	Savitha Pinnepai	5	✓	✓

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SESSION DELIVERABLES



SESSION EVALUATIONS

Individual assessment of comprehension of the attacks related to each session will provide valuable feedback to each student

CLOUD RANGE CERTIFICATE

Upon completion of the **Cloud Range Pilot program**, students will receive certificates recognizing their completion of the program.



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