ATE Impacts

#1 Core Information

List the following:

a) full operational name of project (it is fine if this is shorter or different than what appears on the award abstract),
FORGING A BLOCKCHAIN-READ WORKFORCE: PREPARING TECHNICIANS FOR SUCCESS

b) the project's acronym or nickname (if applicable),

c) the host institution,

JACKSON COLLEGE

d) city and state, and

JACKSON, MI

e) the project's full website:

https://www.jccmi.edu/blockchain/

#2 INFO

#3

Goal 1: Curriculum Development

- Develops stackable micro-credentials and four new blockchain courses

- Embeds blockchain modules in CIS201 and CIS220

Goal 2: Student Recruitment & Outreach

- Promotes blockchain education through events, media, and marketing

Goal 3: Professional Development

- Engages PIs in advanced blockchain training

- Collaborates with Blockchain Advisory Committee to design training modules for faculty and students

#4

Jackson College's blockchain project empowers dual enrolled students and incumbent workers with in-demand skills for a rapidly evolving digital economy. Through stackable credentials, hands-on learning, and real-world case studies, the curriculum will connect emerging technology to industries' digital transformation needs. Outreach events and faculty training ensure content remains current and accessible. The initiative opens new pathways for career advancement and strengthens workforce readiness, preparing learners at all stages to thrive in blockchain-influenced industries across the region and beyond.

#5

In one outreach activity, participants and students collected identical Lego™ bricks during a campus tour and built blocks in full view of others—demonstrating transparency. Each person built independently, illustrating decentralization. Later, blocks were compared to emphasize consensus. The difficulty of altering completed blocks reflected blockchain's immutability and security. A business case discussion followed, showing how industries leverage blockchain as part of their digital transformation to streamline operations and stay competitive. This hands-on activity made complex blockchain principles tangible through collaborative learning and real-world application.