2024 Nissan-Mississippi HBCU STEM Initiatives

• Alcorn State University: Applied Sciences Programs and Robotics and Automation Technology Enhancements, a two-part project that provides 1) STEM learning opportunities for middle and high school students, including STEM camps and robotics competitions, that build interest and skills in technical career pathways; 2) advancements to robotics laboratories.

• **Coahoma Community College: CsTEm Summer Camp,** a learning experience that exposes high school students to vocational career pathways such as collision repair, automotive repair, commercial truck driving, electrical technology, industrial maintenance, health sciences, and aviation.

• Hinds Community College –Utica Campus: STEM Undergraduate Program, a range of enrichment activities for Hinds College and area high school students to build interest and skills in STEM. Experiences will include a robotics camp, Skills USA competitions, and career fairs.

• Jackson State University: Student Robotics Lab and Programs, supporting a dedicated space for students to engage in hands-on learning related to robotics and advancing technologies. Activities in the lab support senior design projects, competition preparation, and student innovations.

• Mississippi Valley State University: Advancing Technology at MVSU, a cross-departmental STEM initiative that engages Engineering Technology, Mathematics, and Computer and Information Sciences in a collaborative approach to elevate the student learning experience. Software updates along with equipment and engineering kit purchases will further the academic experience offered at MVSU.

• Rust College: The Nissan-RC Cybersecurity Simulation Lab at Rust College, a "real-world" classroom for Rust College students and the local community to create simulation models that strives to identify security threats and develop skills essential to the field.

• **Tougaloo College: STEM Pipeline Project,** an initiative to create a pathway to educate and strengthen pre-college and college students' knowledge of advanced technology and innovation. Key activities include a research symposium, STEM workshop, and summer science and engineering program.