

## UMES Engineering Team Won Second Place in AMIE Design Challenge

A team of UMES engineering students, Brianna Williams, Ashley Afueh, Shanice Nurse, Jaylah Easter, Christopher Moreira, Dangminh Bui, Justin Okpah, and Roderick Coker won the 2<sup>nd</sup> place in the AMIE Design Challenge during the 2020 BEYA STEM Conference February 14, 2020. The challenge problem given to the team was how to improve mobility and safety of visually impaired individuals in public areas? The team proposed to design a pack called “The Seventh Sense” which is equipped with a radar sensor, vibrating motors, and other electronic devices and software. The pack, when activated, is able to alert a visually impaired individual if an object is in his or her vicinity, thus improve the situation awareness of the surrounding and secure the individual’s safety. The UMES team competed against student teams from 13 other HBCU engineering schools. The UMES team’s well articulated five-minute presentation with a live demo helped the UMES team win the 2<sup>nd</sup> place, \$3,000 for the award. The corporate sponsor is the National Security Agency (NSA), the technical advisor Mr. Neal Ziring, the faculty advisors are Dr. Lei Zhang and Dr. Payam Matin.



The team with Dean Dr. Derrek Dunn



The team with engineering faculty