

MZANSI ACCELERATED CYBER SECURITY LEARNING FACTORY

MACS LEARNING FACTORY

CHALLENGE

The Mzansi Accelerated Cyber Security Learning Factory was established to address the critical shortage of cybersecurity professionals in Mzansi (South Africa).



GAP IN MZANSI

The shortage of skilled professionals leaves national digital infrastructure susceptible to cyberattacks. The increasing demand for cybersecurity professionals is not being adequately met by the current workforce.



OUR APPROACH

Mentorship: Senior professionals mentor juniors and interns, fostering knowledge transfer and building a pipeline of trainers.

Curriculum development: Establish training materials and best practices to inform curriculum development.

Future collaborations: The project seeks collaboration with the private sector to access additional resources and expertise.



MILESTONES

- Novel frameworks and models;
- Peer-reviewed publications; and
- Improved cybersecurity skills in students and Small Medium and Micro Enterprises in Mzansi.



SOCIETAL/SCIENTIFIC IMPACT

- Addresses gender disparities in cybersecurity;
- Provides inclusive opportunities for skills development;
- Contributes to closing the cybersecurity skills gap;
- Empowers youth and fosters positive societal impact; and
- Emphasises the importance of hands-on, experiential learning in cybersecurity education.



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