42%
Fatal Firefighter injuries due to **sudden cardiac events**

Heat stress may play a role ?

Cardiorespiratory

Skin conductance

Thermal properties

1cm

Simulated results

Normal   Stress

Detect heat stress

Detection of psycho-physiological stress level

Health risk assessment

Logic Model; Designing for Resilience: Integrating Art and Wearable Technology for Firefighter Health, Safety, and Well-being

Planned work

INPUTS

Accept the Pabst Steinmetz Creative Futures Award Funds

Hire Students

Acquire Material and Supplies

Make Wearables & Components

ACTIVITIES

IRB

Collect Information from Firefighters

Design Feedback Loop

Generate educational infographics

Disseminate Information Broadly

Communicate with Dr.Crawford's Fire Service Network

Mentor Students Toward Career Readiness

Intended results

OUTPUTS

Designed Components

Educational Infographics for Firefighters about wearable tech

Increased awareness about wearable tech among Firefighter community

Elevated Student Experiences

OUTCOMES

Improved Perception of the Wearable Tech

Scalable Model for Multi-City & State Locations

Data identifying sustainable mechanism to support the project long-term

IMPACT

An improvement of Firefighter Health, Safety, And Well-being in Our Community

The potential to save Firefighter lives through scaled and sustainable outcomes

Positive economic & societal impact as the trained students enter the workforce