



# BIG IDEAS

**BIG IDEAS** are initiatives that build on existing core impact areas where research at Texas State adds value to society, and addresses issues of great social and economic importance. These **BIG IDEAS** represent partnership opportunities that will focus investment in cutting-edge research and support the best and brightest minds at Texas State.

# A BIG Vision

## BIG IDEAS at Texas State University

1

### Training With Augmented Reality/Virtual Reality

Augmented reality and virtual reality (AR/VR) technology-based training has demonstrated the ability to lower costs and drive results in the learning and training arena through interactive, 3D experiences. Because almost any scenario can be made virtual, new training models can be applied to improve training for law enforcement, nursing, engineering, aerospace, sports science, and more.

2

### Translational Health

Researchers at Texas State are working to put academic research into practice to improve the health and wellness of people. The translational health research initiative builds on our existing strengths in cancer research, nutrition, health communication, aging and dementia studies, and addiction.

3

### Materials With Intelligence

Our faculty researchers are focused on finding practical ways to advance sensor technology, to create new materials that can reconfigure themselves to react to environmental conditions, and to improve the lifecycle management of infrastructure through sensor systems and predictive modeling.

4

### Harnessing Big Data

Texas State has assembled an expert team of researchers from almost every field of study with the mission to work at the intersection of analytics and artificial intelligence to understand and solve world problems. We are applying Big Data solutions to improve mental health treatments, address business challenges, and support the safety and security of the state of Texas and our nation.

5

### Innovation & Entrepreneurship

Today's innovation driven economy requires a new class of graduates - skilled in both the discipline of their academic major, and equipped with entrepreneurial training to launch new ideas into the world. Texas State faculty are preparing graduates with an entrepreneurial mindset who are self-motivated innovators and creators. We are developing new ways to engage students in the theory and practice of creating value from ideas and opportunities.

BI-SUMMARY-02.11.20

# BIG Opportunities

## Philanthropic Opportunities

- Endow a program fund to provide flexible resources to implement and sustain a Big Idea initiative
- Provide seed funding to support interdisciplinary teams to pursue new and innovative ideas
- Support undergraduate scholarships to help Texas State recruit and retain high-achieving students
- Endow graduate fellowships to fund student research with faculty
- Sponsor student pitch competitions and design showcases
- Invest in a faculty fellowship for a visiting expert or entrepreneur
- Create an endowment to bring innovators to speak on campus
- Establish an endowed professorship to support faculty in conducting cutting-edge research
- Fund an endowed chair to support departmental leadership in the future of teaching and research

## Your Invitation

We invite visionary philanthropic partners to support our students and faculty in discovering sustainable solutions for global issues through innovative research.

