Tech Forward
Purpose: To kickstart a series of campus conversations to position Michigan Tech as an internationally recognized academic thought leader in the Fourth Industrial Revolution.

Data Sources
There is an explosion of sensors and data inputs everywhere - security cameras, cell towers, cars, phones, buildings, web, social media; where we are, what we do, what we read, what we buy - plus the world around us that we don’t even observe can now be sensed and data gathered - more is known about more things than ever before - and the numbers are exploding.

Networks
These data sources are connected to networks - fiber optics, cellular, WiFi, Bluetooth, Near Field Communications, IOT, etc. More communication technologies are being created and everything is connected to everything; the number of things connected is exploding.

Big Data
These networks collect the data on just about everything and that data becomes accessible everywhere - where it can be processed. Out of this data comes information on about any topic imaginable. Databases are exploding.

Machine Learning
Algorithms for extracting information from large data sets have advanced beyond our imaginations. Machines can extract information from large data sets that humans are not able to extract. Just as robots can now do tasks humans can’t do, machine learning can now learn what humans have not been able to learn. Knowledge is exploding.

People
The impact of Fourth Industrial Revolution will change everything. Obviously, it impacts all forms of science and engineering, but it is also impacting medicine, law, social science, government, journalism, music, entertainment, the liberal arts, in fact, every aspect of our lives. The Fourth Industrial Revolution will change everything. We must prepare ourselves as much as possible for this disruption.

Prepare Students
Campus Conversations Kick-Off with President Koubek
September 18, 4:30 - 6:00 PM, Rosza Center

Responsive Research
Campus Conversations Summary with President Koubek
December 12, 4:30 - 6:00 PM, MUB Ballroom

FALL 2018
- Prepare Students
  - Campus Conversations
    - Faculty, Staff, and Students
    - Oct 2
      - 10:30 AM - Noon
      - Rozza Center
    - Oct 5
      - 10:30 AM - Noon
      - Rozza Center
  - Disruptive Forces
    - Industry Panel: 14 Floor CEOs
      - Faculty, Staff, and Students
      - Oct 16
        - 2:00 - 3:30 PM
        - Rozza Center
- Responsive Research
- Prepare Students

SPRING 2019
- The Board of Trustees
  - Progress Report
    - Feb 27

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