* What we do
  + Mars exploration
  + Advancement of ROV technology
  + Mars rover is used to analyze soil with onboard science package. This is in-Situ instrumentation.
    - Used to locate cyanobacteria
    - We will be looking for geographical features created by water
    - Follows NASA’s “Follow the water” exploration strategy
  + The mars rover is capable of recording high resolution panoramic images in order to characterize the geology of mars.
  + All of the power, telecommunications, software , and mechatronics systems are designed by students.
  + The mars rover is designed with harsh operating environments in mind.
    - Cooling systems
    - Ingress protection
    - ESD protection
  + The mars rover is designed for sample return activities
    - The mars rover can collect soil samples and return them safely to the operators.
  + The premise of the project is to prepare for human exploration on Mars.
    - The mars rover can provide astronauts a safe means of exploring potentially hazadrous areas.
    - The mars rover can be used to perform tasks outside of a habitat in lieu of an EVA.