

# Robotics Creative Project



## About

The NASA Robotic Mining Competition is a national competition program held at the Kennedy Space Center in Florida annually. The objective of this project is to design a robot for mining operations on other planets, namely Mars, or the moon. The goal is to traverse a small obstacle course, after starting in a random orientation, and then mine regolith (BP-1) on the other side before returning to the starting area to deposit what was mined. The obstacle course consists of 5 obstacles that are small rocks and craters. The competition also requires a systems engineering and outreach documents.

## Website

<http://www.nasa.gov/offices/education/centers/kennedy/technology/nasarmc.html>

## Selection Process

The team is composed of approximately 30 students from Mechanical Engineering, Electrical Engineering, and Computer Science and Computer Engineering Students (4-6 are Mechanical).

## Advisor:

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