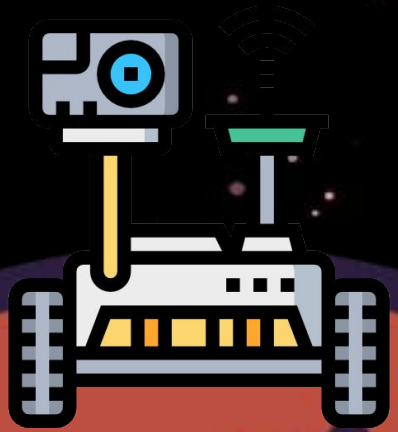
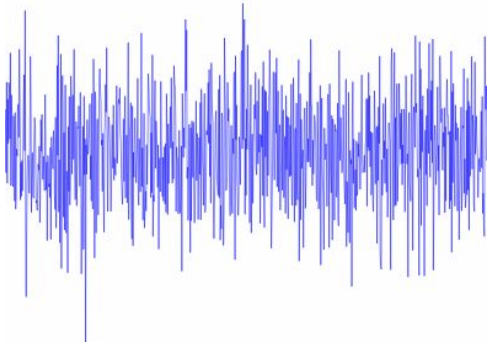
# CELESTIAL QUAKE NET

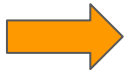
Signals take too long to reach Earth. Mars is 400 million kilometers away, which makes transmitting all the gigabytes of seismic data inefficient.

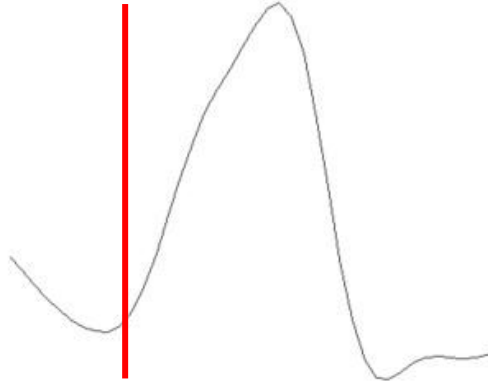
Develop seismic detection algorithms to enhance the ability of probes to work autonomously

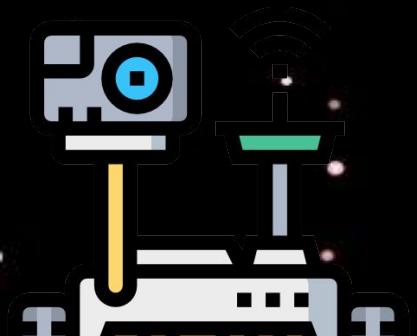


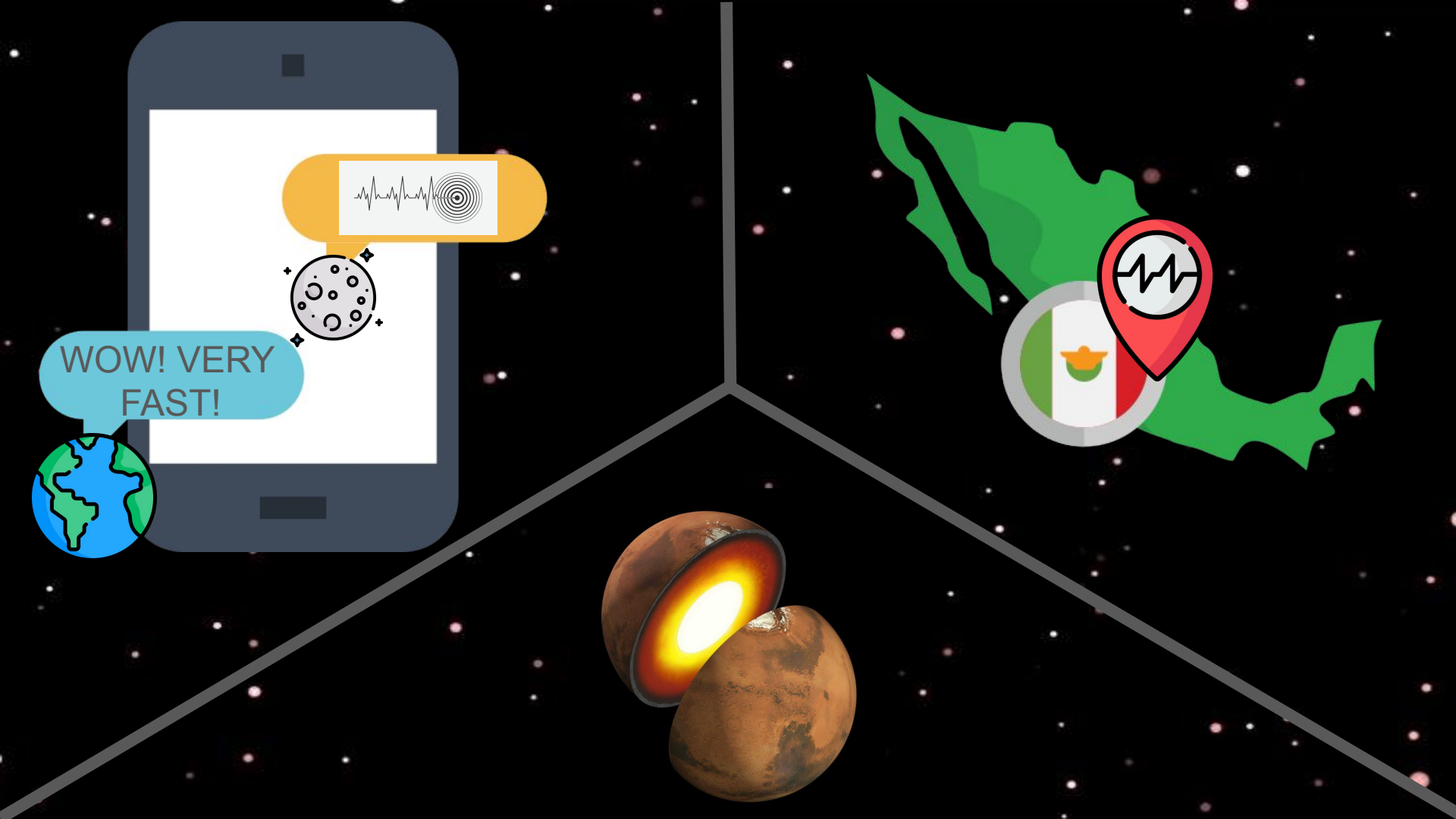
# Savitzky-Golay Filter

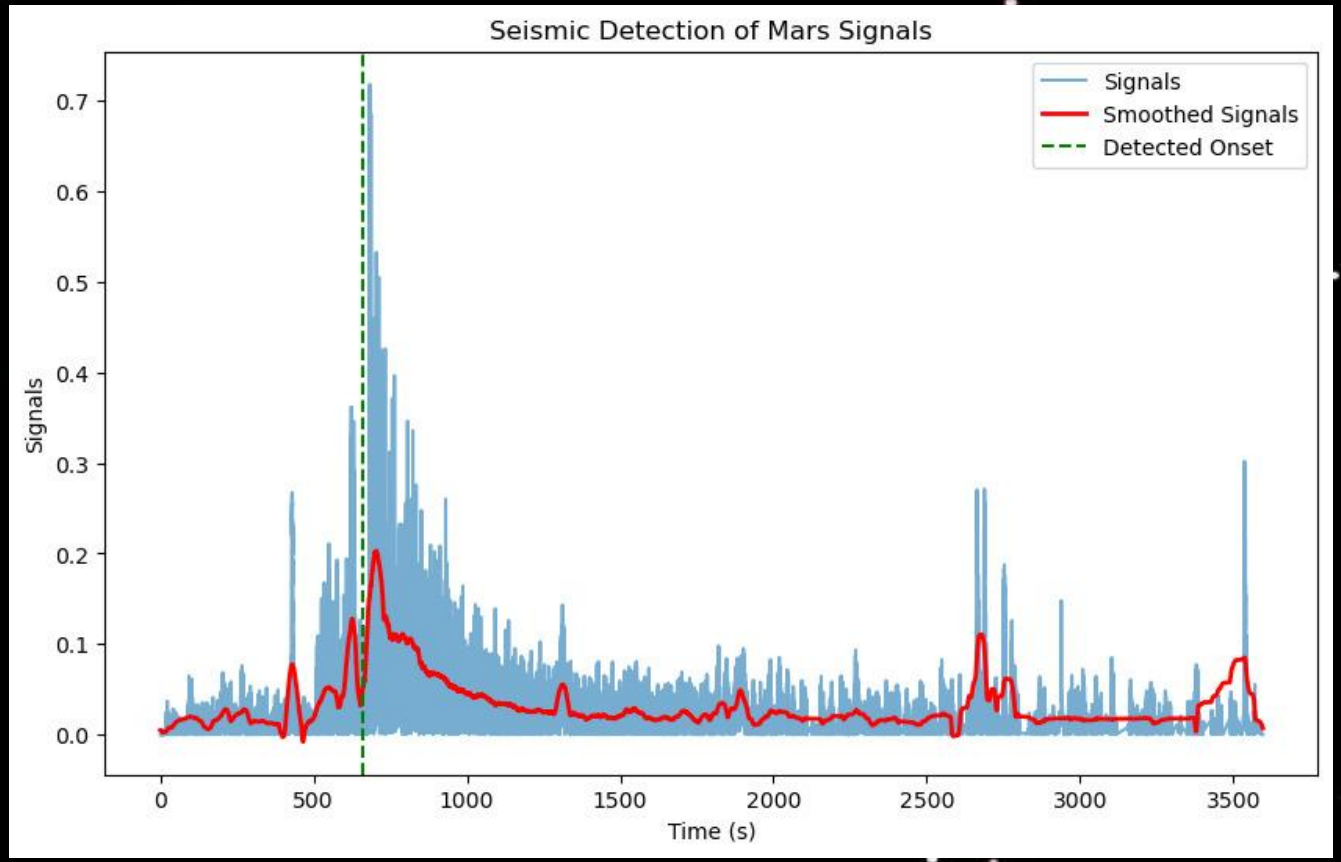









WOW! VERY FAST!




**91%**

**Accuracy**

**50%**

**More**

**LIGHT**

# CONCLUSIONS

This algorithm is intended to tackle the aforementioned objectives and pave the way for further research

# PROJECTIONS

Further test this algorithm on more seismic data, recollected on other planets like Venus, Mercury, etc.

Implementation of Deep Learning techniques to improve the accuracy