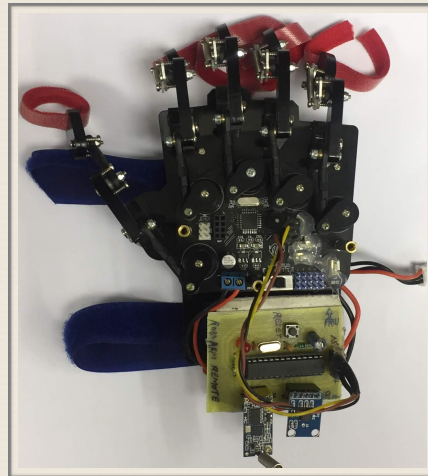


- Three Degree of Freedom Mechanical arm with five fingers that will be remotely controlled using hand gestures
- Robust vehicle chassis able to handle everyday abuse
- Equipped with camera for video navigation
- HC-12 wireless serial port communication module throughout the systems
- Robotic vehicle can handle various terrains and small obstacles
- Remote control with video feed.
- A robotic arm that follows the accuracy and precision of a human hand.

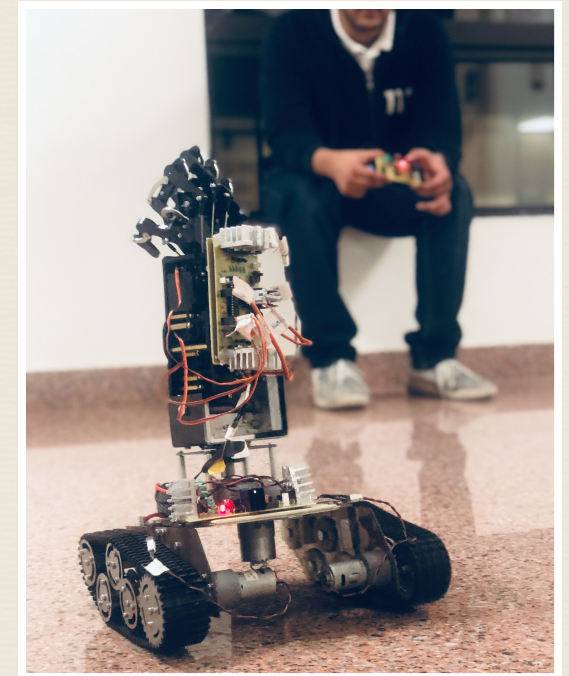


OBJECTIVES



A robotic vehicle that can carry out tasks in environments that are inaccessible or unsafe for humans. The robotic vehicle will be equipped with a robotic arm to perform various operations at a higher level of precision

THE NOMAD ROVER



THE NOMAD ROVER TEAM

FAIEZ AHMED FEROZE 201400812

ABDULLAH A. KAREEM 201401134

SAEED AL MUTAIRI 201302647

MOAATH SOQAIR 201303884

ADVISOR: MR. AHMED ABUL HUSSAIN





Scan the QR code above to watch a demo video on the Nomad Rover.

- The Nomad Rover can safely explore any unknown hostile region safely and anonymously remotely during hostile situations
- Nomad Rover can collect data or samples from inaccessible location
- The arm can assist astronauts or the army carry out small operations like transporting medical supplies or any other

MODELS AND ADDITIONAL FEATURES



THE NOMAD ROVER \$14,999

Standard rugged chassis with tank tracks capable of carrying loads up-to 15 kgs.

Come with a standard 420p Wi-Fi based camera running on the Raspberry Pi 3 OS

HC-12 Based long distance wireless control

Battery life up-to 30 minutes

THE NOMAD ROVER PRO :\$19,999

Upgraded Matte-Black or an Army Camouflage chassis with tank tracks capable of carrying loads up-to 25 kgs.

Comes with a raspberry pi camera in addition to a high definition 720p night vision Infrared camera

Upgraded insulation on all wires

High torque motors

HC-12 Based long distance wireless control and RF Controller

Battery life up-to 50 minutes

