**Robotics Quiz**

Search on the WEB and answer the following Quiz:

**Robocop.-**

* In what city was filmed this movie?
  + Detroit.
* What was the name of the man who became Robocop?
  + Alex Murphy
* What was a famous phrase of robocop?
  + Mis amigos me llaman Murphy... Usted llámeme RoboCop.
* How does officer Alex Murphy die?
  + Un criminal llamado Clarence Boddicker lo mata durante una emboscada

**Wall-E.-**

* What was Wall-E’s work?
  + Recolectar basura y compactarla
* Did Wall-E have girlfriend? What was her name ?
  + Si, EVA (Evaluador de Vegetación Alienígena)
* **The name of the protagonist of this movie is anacronym. What does it stand for?**
  + Waste Allocation Load Lifter - Earth class

**R2D2 – C3PO.-**

* How did these 2 robots meet Luke Skywalker?
  + Son vendidos por lo Yawas a Luke y su tio
* What is the main feature of each of these 2 robots?
  + C3PO es un androide de protocolo y relaciones cibernético-humanas, mientras que R2D2 es un astromecánico
* How many languages did C3PO speak?
  + Domina seis millones de formas de comunicación
* Which of these have an anthropomorfic shape?
  + C3PO
* How do you consider to be akin, C3O or R2D2?
  + R2D2 porque es un aventurero y tiene una personalidad temeraria

**Robotina.-**

* Who were the owner of Robotina?
  + Mrs. Sonico
* What was Robotina’s main duties?
  + Ser una sirvienta o ama de llaves
* In what year are the supersónicos supossed to live?
  + 2062

**Terminator.-**

* Who did Terminator wanted to kill to?
  + En la primera película a Sarah Connor y en la segunda a John Connor
* What was Terminator famous phrase in english?
  + I´ll be back.
* What was John Connor’s mother’s name?
  + Sarah Connor
* Who was the actor that characterized Terminator?
  + Arnold Schwarzenegger

**“I Robot”.-**

* Who played the main character?
  + Will Smith
* Much of the film "I Robot" revolves around a single robot which is different to all the rest. What is the name of this robot?
  + Sonny
* What city in the future does “I, Robot” take place?
  + Chicago

**Mazinger Z.-**

* What’s Mazinger’s girlfriend’s name?
  + Afrodita
* What’s the name of the main character (the one who drives Mazinger)?
  + Koji Kabuto
* Was Mazinger able to fly?
  + Inicialmente no, en una pelea uno de los robots puede pelear lo que hace que los científicos le den la capacidad de volar a Mazinger

**The Bicentennial man.-**

* Who wrote the original story of the The Bicentennial man?
  + Asimov y Robert Silverberg.
* Who plays the principal character of The Bicentennial man?
  + Robin Williams.

Please answer the questions below:

* If you were to design and build a 5th generation robot, what features should it have?
  + Un robot humanoide conectado por internet a un servidor que procese la información en tiempo real y aprenda de su ambiente
* Sensors collect data from the outside world, then deliver these data to a computer in order to be processed. What’s the format data need to be converted in?
  + Binario
* Alexa has a microphone (sensor) and a speaker (actuator), can it be considered as a robot?
  + Si
* What’s a degree o freedom in robotics? (Give a different answer unlike the one given on presentation).
  + En robótica, los grados de libertad se refieren al número de movimientos independientes que puede realizar un robot. Representa la cantidad de variables o ejes de movimiento que un robot puede controlar. Cada grado de libertad corresponde a un movimiento o una articulación que permite al robot cambiar su posición o su orientación en el espacio.
* How many degrees of freedom does the robot showed on video have?
  + 6
* How many axis does a robot require to reach a point on a plane?
  + En un plano bidimensional, como por ejemplo en una superficie horizontal, un robot necesita al menos dos ejes para poder llegar a cualquier punto en ese plano. Estos dos ejes son generalmente referidos como X (horizontal) e Y (vertical) y permiten controlar las coordenadas en el plano.
* How many axis does a robot require to reach a point on a 3 dimension space?
  + En un plano tridimensional, un robot necesita al menos tres ejes para poder llegar a cualquier punto en ese espacio. Estos tres ejes son generalmente referidos como X, Y y Z y permiten controlar las coordenadas en el espacio tridimensional.