



Rex – The Robot Guide Dog

{ Robotech
The Gid Honest Laddies



The Problem

- ⌘ Guide dogs are expensive to train, costing just over £27,000 on average. They also need to be fed and looked after meaning it can cost around £50,000 in total to support a guide dog from birth to retirement.
[<https://www.guidedogs.org.uk/media/3701632/Cost-of-a-guide-dog-2013.pdf>].
- ⌘ They also have to be kept in a routine or schedule which may decrease the owners' flexibility and freedom to do what they like.
- ⌘ Furthermore, they are just like any other dog in the way that they may need to be walked 3 or 4 times per day, which may also be an inconvenience for the owner.
- ⌘ Many people are allergic to dogs – there needs to be an alternative option.
- ⌘ Although this is not common, there is always the possibility that a dog could be distracted by the things going on around it or misbehave meaning the owner is not benefitting from using it.

Why use a Robot?

- ⌘ The robotic guide dog would be cheaper in the long run – doesn't need to be fed or taken to the vet.
- ⌘ It would not need to be in a routine and the owner would have more freedom and could try new things.
- ⌘ It doesn't need to be taken for walks every day so if the user would like to stay in the house then that is no problem.
- ⌘ You can't be allergic to robot dogs!
- ⌘ There is no risk whatsoever of the robot dog being distracted from its main task – looking after its user.

Features

- ⌘ Voice Recognition – can be used to control the robot.
- ⌘ GPS – the user would input the place they want to go via the voice recognition.
- ⌘ Internet connection – able to access weather forecast and let user know conditions outside.
- ⌘ Speaker – used to communicate with the user – for example, telling them when to stop, when to go and informing them of hazards. This could also be done through wireless earphones.
- ⌘ Wireless charging – when not in use would Rex will sit on a wireless charging pad which is similar to a dog bed.



How we will make money!!

- ⌘ We would make money from this by selling our product to individual owners or guide dog charities at fairly high prices. However, we would keep them below the overall price of a normal guide dog, making them a cheaper option.
- ⌘ Customers would be allowed to pay in instalments, or in one go depending on what suits them.



Thank you for listening.
Are there any Questions?

