

ABOUT

Deep Cove Outdoor Education Trust is a non profit charity organisation which teaches visitors to the Deep Cove area about the environment and conservation.

THE PROJECT

They approached the Southern Institute of Technology (SIT) requesting an educational, interactive, touch screen kiosk system to be developed for them. This was to replace their existing educational materials including books and brochures which in the modern age can be considered an uninteresting way of learning to younger people.

FEATURES

- A web application based solution developed in React and Laravel
- An administrative interface to modify displayed content
- A modified version of Raspbian to run the kiosk software on-site
- A server to hold and serve information on-site
- A ticket-based wireless system that allows guests to use the Internet at the hostel
- Touch screen devices that automatically reboot after a power outage
- Interactive games with high score system
- Video streaming server on-site
- Teaching/educational resources accessible from any device



SPECIAL THANKS

A huge thanks to those who helped make this project possible. These people include but are not limited to:

- Anita Murphy - Course Director
- Mike MacManus - Client
- Hayley Mitcheson - Client
- Ken Sutton - Mentor