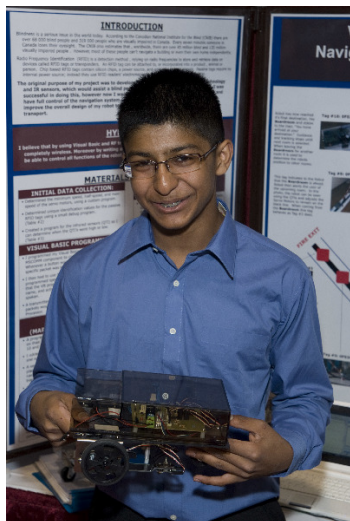


ESPC 2008 - Ottawa (Ontario)



Nirusan Jayaranjan

Voice Activated Navigation for the Blind

Division: Sciences de la santé / Technologie automobile

Catégorie: Intermédiaire

Région: Manitoba Schools Science Symposium

Ville: Winnipeg, MB

École: Collège Sturgeon Heights Collegiate

Sommaire: In Canada there are over 68,000 blind individuals, and 319,000 visually impaired. There are an estimated 45 million blind individuals worldwide. I wanted to create a system that would allow blind individuals to navigate buildings independently by using Radio Frequency Identification technology and wireless voice commands. I was able to create a system that allowed the blind individuals to navigate buildings independently.

Biographie

My name is Nirusan Jayaranjan, and I attend Sturgeon Heights Collegiate in Winnipeg, Manitoba. The Canada-Wide Science Fair in Ottawa will be my third one that I will attend. I enjoy playing sports such as soccer, football, volleyball, and basketball. I will be attending Sturgeon Heights Collegiate for high school next year. I enjoy playing my alto saxophone in both concert and jazz band. I have an older brother who also attended the Canada-Wide Science Fair. I also plan on helping out with the 2009 Manitoba Host Committee for when we host the Canada-Wide Science Fair.

Prix

Valeur

Prix Innovation Petro-Canada décernés par les pairs - Intermédiaire Centre du Canada Commanditaire: Pétro-Canada	200,00 \$
Bourse d'études de l'Université Western Ontario Médaille d'or - Bourse de début d'études de 2 000 \$ Commanditaire: Université Western Ontario	2 000,00 \$
Médaille d'or - Technologie automobile - Intermédiaire Commanditaire: AUTO21	1 500,00 \$
Médaille d'or - Génie - Intermédiaire Commanditaire: Fondation sciences jeunesse Canada	1 500,00 \$
Prix Platine d'EnCana - Meilleur projet Intermédiaire Commanditaire: Encana Corporation	5 000,00 \$
Total	10 200,00 \$