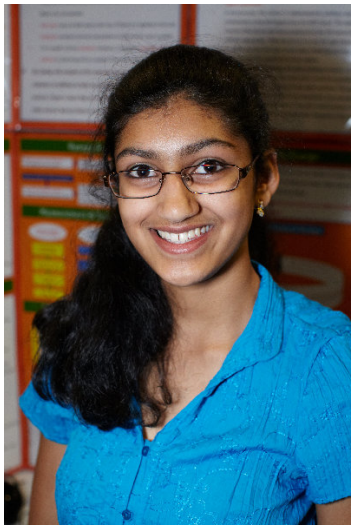
CWSF 2012 - Charlottetown, Prince Edward Island



Soumya Srinivasan

A Reliable, Portable, Monitoring Device for the Prevention of Accidental Drownin

Challenge: Innovation
Category: Junior
Region: Ottawa
City: Ottawa, ON
School: Turnbull School
Abstract: A novel device to prevent accidental drowning has been prototyped. It detects immersion in water, using the electrical conductance of water, and sounds an alarm remotely using FM transmission. It is more reliable, affordable, and convenient than the best device commercially available, is designedly less prone to false alarms, and has been tested on diverse water sources for global effectiveness. A patent has been filed.

Biography

My name is Soumya Srinivasan. I am a student studying in grade eight at Turnbull School. My hobbies are sports (soccer, volleyball, cricket, table tennis, badminton) and also, singing (bollywood). I also study hard and work to achieve my goals in school. I came first in my school science fair this year, as well as last year. I participated in the regionals both years, but I was most successful this year. My father is a computer scientist so that was where the inspiration of designing a circuit came from. This year, for my science fair, I wanted to do something that helped people, that could save lives. I had a few experiment ideas in mind, but I thought this one would go the farthest. I have an application for a patent, so further investigations depend on that. My advice to students thinking about doing a project would be 'The sky is the limit, Shoot for the stars. Do something you really enjoy.' In the future I am planning to be a doctor, again because I would like to make a difference and help people, who need my help.

Awards	Value
Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	$300
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 300