



CWSF 2016 - Montreal, Quebec



Biography

My name is Maitry Mistry and I'm currently a grade 10 student at Fort Richmond Collegiate. I have been competing at provincial and regional science fairs for 4 years and this will be my 3rd year representing my province at the CWSF 2016. I enjoy competing in national level math contests as well as competing in sports like swimming and dance. I have a deep passion for using innovative ideas to help solve our world's problems. In order to accomplish this, I have done continuous studies at the University of Manitoba in the field of **Biosystems Engineering and Biomedical** Engineering. I strive to help the people in my community by volunteering regularly in hospitals, marathons and am enrolled in many charities. I am very enthusiastic about research and innovation so it will be a privilege to share my findings and research with everyone around the country.

Maitry Mistry

A Novel Inexpensive Alternative Approach to X-Ray Radiographic Tests

Challenge:	Innovation
Cotogony	Intermediate

Calegoly.	Internetiate
Region:	Manitoba Schools Science Symposium
City:	Winnipeg, MB
School:	Fort Richmond Collegiate
Abstract:	Millions of people suffer from the lack of Radiographic X-rays which leads to
	an inaccurate diagnosis of the injury and ineffective treatments. This project
	aims to find a promising, accurate, portable and inexpensive alternative that
	can be used in remote areas and underdeveloped countries where X-rays
	are inaccessible. It uses a vibration analysis method to find characteristics
	that differ a healthy and fractured bone.

Awards	Value
Excellence Award - Intermediate - Bronze Medal	
Sponsor: Youth Science Canada	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$1 000



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