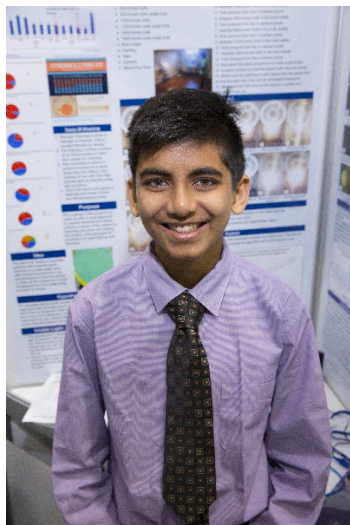


CWSF 2019 - Fredericton, New Brunswick



Krish Modi

?No to Photo' ? My Photo Consent

Challenge: Innovation

Category: Junior

Region: Lambton County

City: Sarnia, ON

School: Rosedale E.S.

Abstract: Photos taken without consent and used for cyber-shaming have damaging effects on individuals. A wearable device is developed which emits a powerful, invisible, pulsing light in a wide angle using an efficient optics arrangement to distort an image taken by any camera. No such device or mechanism is available till date. A working prototype created using information gathered from various experiments is a plausible solution.

Biography

My name is Krish Modi and I am in eighth grade and attend Rosedale Public School in Sarnia, Ontario. I enjoy participating in a variety of extracurricular activities from academics to sports. I have been an Air-Cadet for two years. In Air-Cadets, we learn leadership, marketing, teamwork, and survival skills, all of which have helped me a lot. I aspire to participate in STEM-related activities and competitions. Some of which include: Mathletics, Math Kangaroo, Caribou Math, and of course the Science Fair. I have also been the lead programmer on my FLL Robotics team. Playing soccer, swimming, and coding are some of my hobbies. This thirst for STEM-related knowledge has driven me to participate in the Lambton County Science Fair for the sixth time. This year, I have explored the negative effects that photos taken without consent, have on an individual. I have devised a wearable device which when worn will distort any photo or video taken by any camera. A multitude of mathematical, physical, and hypothetical experiments were conducted which suggest that this is a plausible solution. I have been fortunate enough that my regional science fair selected me to participate in my first Canada-Wide Science Fair.

Awards

Value

CAP Physics Prize - Junior Sponsor: Canadian Association of Physicists	\$500
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 500