

List of STEM Activities:-

1. Qualified for CBSE Regional Science Exhibition:

I had the opportunity to showcase my automated first aid device to a panel of 8 esteemed judges. For this project, I had designed a new sensor and an algorithm which allowed a person to track the patient's vitals (Blood Pressure, Heart Rate, SpO2 Levels) via the index finger. This data is then fed to my AI which estimates the condition the patient is in and recommends how immediate care should be provided. Additionally, I had collaborated with a professional from Prague to create the AR Goggles over which the instructions will be provided by my AI.

I was selected for the same from a pool of over 100+ schools.



2. Won second prize with a cash reward at CSIR (Council of Scientific & Industrial Research) Science Exhibition:

I was awarded the second prize by the Council of Scientific & Industrial Research for my automated first aid kit. Additionally with the trophy, I was awarded with a cash prize of ₹3,000/- (47.45 SGD) and a chance to compete at the next level of the event.



3. Hosted a webinar with former TEDx speaker to help students learn more about career options in STEM:

I hosted a webinar Mr. Nalin Savara (CEO, Founder, TEDx Speaker) and Ms. Muskan Bawa (Masters of Science in Robotics student at Georgia Tech) to help students understand more about the upcoming careers in the field of STEM.



4. Mentored students for Kreativitiy League 2024:

I mentored a team of 3 students for a national robotics event where they performed tremendously well and qualified for the final round.