

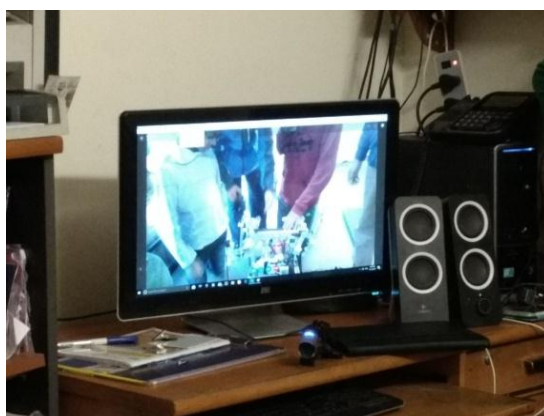
## Knowledge sharing session on Robotics and STEM

The Tectonic Gears, a First Tech Challenge (FTC) team comprising of 5 middle school students, competing in the 2017 FTC Competition participated in an exchange of ideas with 17 middle school students of Padma Seshadri Bala Bhavan T. Nagar Branch. It was a discussion to raise awareness on STEM education, FIRST competitions, FTC and Robotics. The exchange happened on 12<sup>th</sup> Nov, 2017.

As part of their project, they had a skype video conference session where they shared their project work on the following topics:

- **STEM (Science Technology Engineering and Math) Education:** What it is, why is it important and STEM education and girls.
- **FIRST:** The parent organization that organizes these competitions, and the meaning of their core values of Gracious Professionalism and Cooperation.
- **First Tech Challenge (FTC):** How the team prepared to participate in the competition, Programming, Robot design and missions.

P.S.B.B. students were curious about the above topics and asked questions around robot building and programming. The two sets of students exchanged ideas and plan to stay connected through a new google group that they will be creating to exchange ideas and support each other on science projects and robotics. This was an engaging and interactive discussion that mutually benefitted both groups of students.



Students of California school  
demonstrating working of a ROBOT.

The main take - away from this session for PSBB students were:

1. Getting to know about STEM and the inequalities that girls in some communities face.
2. Learning about the technical side of robotics with the help of a working model.
3. Learning to exhibit moral values at all times and not to treat an opponent as a rival

**IVY SCRIBES – Media Club**

**PSBB T. Nagar**