

Name	Mohamed m.& mahmud
Grade	9
Project Title	A plant farm that generates electricity from air noise

Date	Information / Data / Accomplishments
nov, 20, 2025	On this date, I decided on my CYSF project titled:
nov 27,2025	On this date, I filled out my CYSF platform basic information.
Friday, November 29, 2025	On this date, we researched different renewable energy methods such as solar, wind, and sound energy. We learned that noise pollution is usually wasted energy and can potentially be converted into electrical energy.
Thursday, December 5, 2025	On this date, we researched how sound energy can be converted into electrical energy using piezoelectric sensors. We learned that piezoelectric materials generate electric current when vibrations are applied.
Monday, December 9, 2025	On this date, we researched basic electronic components needed for our project, including piezoelectric sensors, bridge rectifiers, resistors, LEDs, rechargeable batteries, and multimeters.
Thursday, December 12, 2025	On this date, we planned the basic circuit design. We learned that the AC current produced by piezoelectric sensors must be converted into DC current using a bridge rectifier before being stored in a battery.
Thursday, December 19, 2025	On this date, we started designing our science fair presentation slides. We planned how to explain the problem, purpose, materials, method, and real-world applications of our project.
Monday, December 23, 2025	On this date, we designed a clean and professional slide layout using Canva. We selected colors related to nature and energy, such as green, blue, and white.
Monday, December 30, 2025	On this date, we planned the features of the Noise2Power™ app, including live energy dashboards, noise visualization, city impact simulations, and gamification elements to increase user engagement.
Friday, January 10, 2026	On this date, we completed all presentation slides for the science fair, including detailed explanations of how the project works and how it benefits society and the environment

Sunday, January 18, 2026	On this date, we confirmed that our project research, planning, slides, and application concept are fully completed. The physical assembly of the electronic components has not yet been built but is planned as the next step. We are prepared to assemble and test the project soon.
monday ,january 19, 2026	We made a change to the project and only used piezoelectric material and got sound from it.