Hello, sir/ma'am,

I am Anirudh Vempati, grade 8 of Unicent school.

I'd like to provide the following article for the NIE paper: -

**Title: "Arduino: Making Robotics Fun and Easy for Kids"**

Article:

Have you ever heard of robotics? It might sound like a complicated term, but it's actually really cool! Imagine being able to create your own robot that can sense and move on its own. With the help of Arduino, a microcontroller board, creating your own robot becomes easy and fun.

Arduino is like the brain of your robot. It allows you to combine a bunch of different components, like sensors, lights, motors, and more. There are several versions of Arduino available, but they all work similarly. You can even program your Arduino using a special software called the Arduino IDE. Don't worry if you don't know how to code - there are websites and apps that let you "block code" your Arduino, which means you can drag and drop code blocks to create your program.

So, how do you create a robot with Arduino? It's as easy as 1-2-3! Or IMAGINE, ASSEMBLE, CODE. First, you have to IMAGINE what you want your robot to do. Maybe you want it to sense light or move when it hears a sound. Once you know what you want your robot to do, you can ASSEMBLE the components you need using the Arduino board. Finally, you can CODE your robot to make it do what you want.

If you're feeling stuck or have any questions, don't worry! There are tons of resources available to help you out. You can ask for help on the Arduino website, or check out tutorials and videos online.

Believe it or not, the original Arduino was created by someone just like you - a person who was curious and wanted to create something cool. Massimo Banzi, the inventor of Arduino, wanted to make it easy for anyone to create robots and inventions. With Arduino, you can do just that - so why not give it a try and become the budding inventor you've always wanted to be?

by Anirudh Vempati

