Fig. 3: Author's prototype

PARTS LIST

Semiconductors:
Arduino Uno R3 board
KY-008 laser LED module
Miscellaneous:
9V battery with connector
Connecting wires (male-to-female)
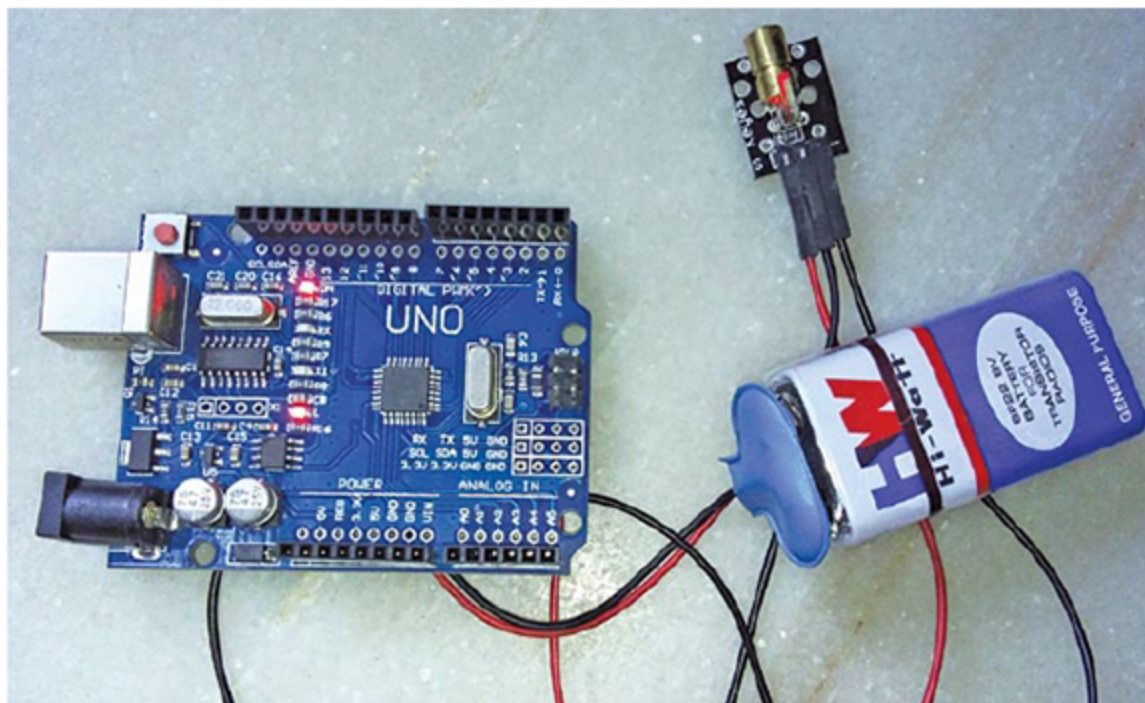
The first sketch (onoff.ino) turns the laser on and off without sending any information to the serial monitor. The second sketch (laser_status.ino) turns the laser on and off, and at the same time reads the voltage coming from centre pin 2 of the module, which is displayed on the serial monitor of Arduino. You can experiment with this sketch as follows:

1. Play with the delay in the code for turning the laser on or off, faster or slower.

2. Place a resistor in series with the power supply line and then check voltages on the serial monitor.

3. Connect a piezo buzzer to pin 2. Every time the laser turns on, the piezo buzzer will sound an alarm. **EFY**

Pamarthi Kanakaraja is assistant professor in Usha Rama College of Engineering and Technology, Andhra Pradesh