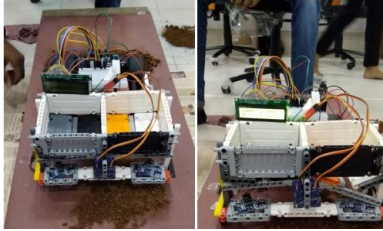


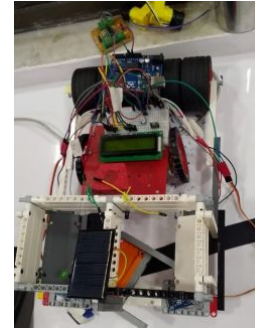
Automatic Road Builder.

Design aspect of this machine is mainly focused on reducing human effort and time required. The sensors fixed in machine will analyze road conditions and will build it with filler material as per requirements.



Ev3 kit is used to make the machine model. Arduino is used to control other parts of model.

```
Blink | Arduino 1.8.5
Blink 5
This example code is in the public domain.
http://www.arduino.cc/en/tutorial/blink
*/
// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
  pinMode(LED_BUILTIN, OUTPUT);
}
// the loop function runs over and over again forever
void loop() {
  digitalWrite(LED_BUILTIN, HIGH); // turns the LED on (HIGH is the voltage level)
  delay(1000); // wait for a second
  digitalWrite(LED_BUILTIN, LOW); // turn the LED off by making the voltage LOW
  delay(1000); // wait for a second
}
```



Electronic:-

Lego mechanism is used to build model of the machine. Arduino is a microcontroller which is used for image processing. Uneven road surfaces are recognized by ultrasonic sensor.

Helpful Courses:

1. Lego EV3 Basic.



1. Arduino Basic.

3. Electronics L2



Red numbers in parenthesis are the names to use when referencing that pin. Analog pins are referenced as A0 thru A5 even when using an digital I/O