NAME:-P.MANOHAR

ROLL NO:-

122010333036

EXPERIMENT-1

AIM:- Control the LED with Arduino Board and tinkercad software.

OBJECTIVE:- To get knowledge of Arduino board and control of output

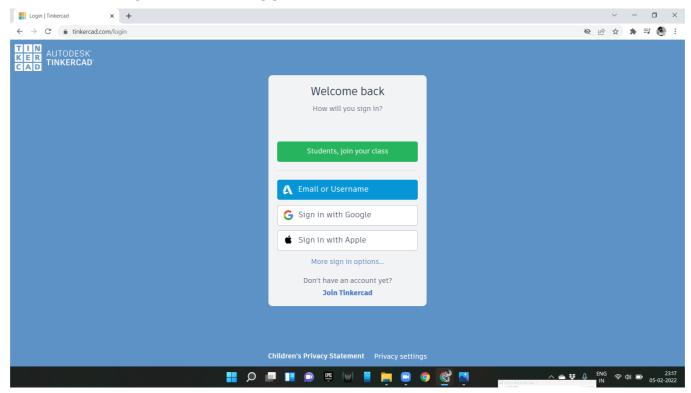
device(LED). **OUTCOMES:-** Students will write program using Arduino IDE for

Blinking LED. HARDWARE REQUIREMENT:

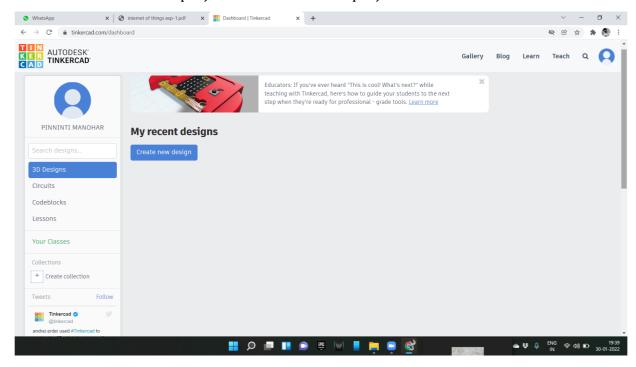
- 1) One Breadboard
- 2) One Arduino Uno
- 3) One LED
- **4)** One 330Ω Resistor
- **5)** Two Jumper Wires

PROCEDURE:-

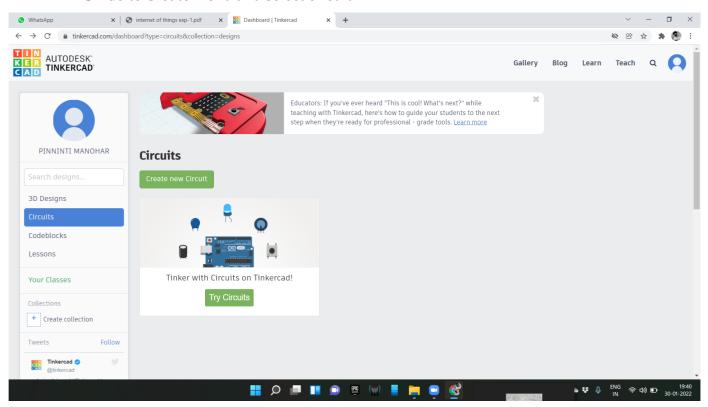
1. Login with an existing gmail account or create a new account.



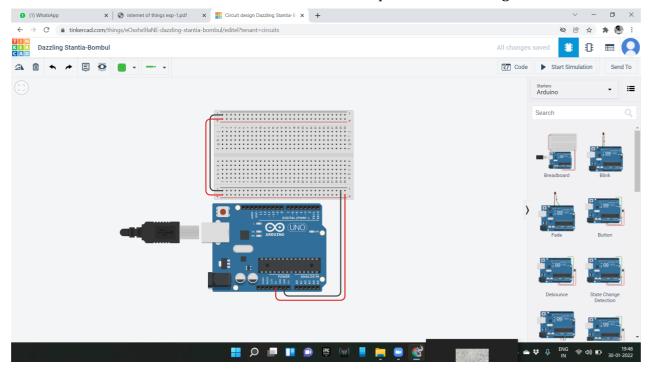
2. Click on create project and create a new project



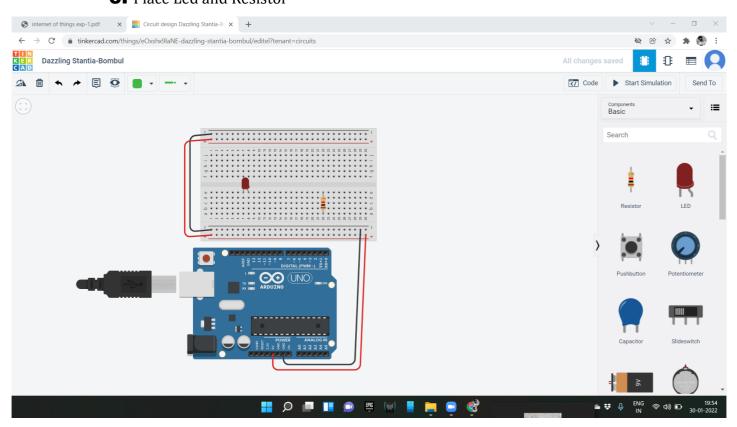
3. Go to Create menu and select circuit.



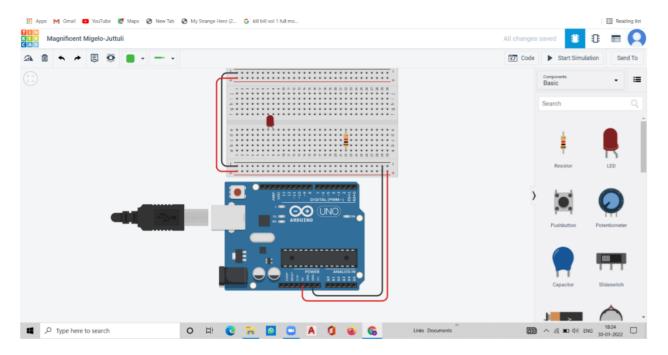
4. Select the Arduino and breadboard and place it in the design area.



5. Place Led and Resistor



6. Search the component LED and resistor, make connections as shown and resistor value as 330ohms.



- 7. Once circuit connections are ready , programming the Arduino can be done in 3 ways
 - 1) Using code blocks
 - 2) Using text program
 - 3) Using code blocks + text programming

