Brain Smart – Memory Game

The Technology and Innovation

• 5 LEDs are used to give the random blinking pattern
• Taking response from the player
• Matching the response with the sequence of the blinking pattern
• Showing individual scores on LCD or MATLAB GUI
• Arduino program to perform the blinking of LED
• Indicating the correct response using the yellow LED
• Resistors to protect the LEDs

Community/Industry Impact and Value

• Helps in improving IQ

Community/Industry Engagement

• Kids, Play, School

Team Composition

• Sahith Nadipalli, ECE
• Sai Prakash Reddy Konda, ECE
• Vishal Reddy Sura, ECE

Learning Experiences

• Arduino Uno Microcontroller Programming
• Hardware connections
• Functioning of LCD

Further Research and Development

• Improve the complexity of the logic