

In the world of gaming and entertainment, technology has played a crucial role in providing exciting and engaging experiences for people of all ages. With this in mind, we have decided to create an all-in-one robot that combines multiple functionalities and brings a new level of excitement to the world of game toys.

The main features that we will provide are Line Following mode that enables the robot to track a predefined path, Obstacle Avoiding mode that makes use of ultrasonic sensors to detect and avoid any obstacle in its path, Sumo mode that transforms the robot into a sumo wrestler that pushes other particles out of sumo circle, and finally companion following that allows the robot to follow designated person.

The robot's combination of sensors, actuators, and microcontrollers will allow it to perform a collection of tasks and respond to voice and remote commands. Furthermore, the ability to control the robot's moods through a mobile application will provide convenience and ease of use, making the experience even more enjoyable.

With the potential to add additional features, the all-in-one robot aims at providing endless hours of fun and engagement.