**Soccer Field Ball-Collecting Robot - Functional Overview ⚽🤖**

**Automatic Ball Detection and Collection 🎯**

* Monitors the surrounding environment using **360° directional cameras** to detect and locate soccer balls.
* The **robotic arm** extends automatically for precise ball collection.

**Intelligent Ball Storage 🏗️**

* The robotic arm places the collected soccer balls into the **rear storage container or bag**, ensuring organized ball collection.

**Autonomous Navigation and Obstacle Avoidance 🚀**

* **Four adjustable wheels** adapt to different terrains for stable movement.
* Equipped with an **obstacle avoidance system** to prevent collisions with players or obstacles.

**Adaptability to Complex Terrains & Stair Climbing 🏗️**

* **Height-adjustable wheels** allow the robot to navigate stairs, slopes, and uneven surfaces, enabling it to overcome obstacles.

**24/7 Fully Automated Operation 🔄**

* Features an **autonomous patrol mode**, allowing continuous ball collection on the field without human intervention.
* Supports **wireless charging** or **long-life battery operation** for extended working hours.

**Conclusion**

This robot is specifically designed for soccer fields, capable of **automatically detecting, collecting, storing, avoiding obstacles, and climbing stairs**, significantly reducing manual labor and improving training efficiency and field management. ⚽🚀