

COUNT THE GOALS

BASKETBALL PLAYING AND PYRAMID MAKING ROBOT

REMOTE CONTROLLED



CAN BE USED FOR:

- 1) PICKING BALLS AND THROWING IN THE BASKET.
- 2) FOR MAKING PYRAMID OF GLASSES.
- 3) PICKING AND DROPPING OBJECTS TO PERFORM GAME TASKS.



PEDAGOGICAL ASPECT

THE PLAYER WILL LEARN

- 1) USES OF GEARS
- 2) GEAR RATIO
- 3) RELATION BETWEEN TORQUE AND SPEED.

PLAYER UNDERSTANDS HOW TO ARRANGE THE GEARS TO INCREASE TORQUE, TO SYNCHRONIZE GRIPPER MOVEMENT, TO DECREASE SPEED BY CALCULATING THE GEAR RATIO. THIS MAKES THE UNDERSTANDING OF DIFFICULT SCIENCE CONCEPTS EASIER.

MATERIAL USED

2 WHEELS, 1 CASTOR WHEEL CHASSIS, MINI, MEDIUM, LARGE GEARS, 2 SQUARE PLATES, 4 7" SHAFTS, 4 DC MOTORS, WIRES, REMOTE.

AGE FOR PLAYING
8-13 YEARS

AGE FOR DESIGNING
10-15 YEARS

COST INVOLVED
1000 RUPEES

PREPARATION TIME
3 TO 4 HOURS

