

**TENNIS BALL THROWING MACHINE USING VOICE
CONTROLLER**

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Abstract

Cricket is the most popular game among youngsters; to shine the game better practice is needed, unless conventional method this ball throwing machines provides scope to practice any time as they wish. The requirement of man power to operate the machine is a disadvantage. This study elaborates the details about the automated ball throwing machine using voice control. It can be operated by voice instruction. Modeling of the project consists with three parts: Mechanical design of the project, Electronics circuit design, and Software development. The mechanical design was made up with 5V servomotor, 6v dc motors, 5v servo motors, Power supply circuit, Voice controller module v2 which were consumed form e-bay ordering. Electronics circuits were designed such as power supply, motor controller circuits. Dot boards are used to complete this circuits which are having good connection between the electronics equipment. Arduino board and voice controller circuits were bought from the shop. For software development Arduino language was used to develop the project. The arduino language is free and easy to code. The servo motor was controlled according to the voice command using arduino. For the voice control voice recording process is done in access port for voice controller modules V2. First AA36 and AA11 is the starting procedure of recording. The 5 commands will be told 3 times with same pronunciations. After finished the recording the coding will imported by the code AA21. Two Cameras are fixed to the main frame, centering the wheel. The machine can be beneficial for kids and made up in low cost. The machine can be operated by voice control and it has special features like random balling method and it does not require man power to operate the machine.

Key words: Pitching, Recording