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(57) Abstract :
A volleyball training system, comprising a volleyball net 1 attached between a pair of poles 2 comprising of an electromagnetically powered guiding rail 3 that is installed with multiple telescopic rods 4 which translates on rail 3 via ferromagnetic wheels 5 and extend up to a pre-defined height for blocking a volleyball, an artificial intelligence based imaging module 6 synchronized with an ultrasonic sensor 7 to capture multiple images of user to detect location of user and volleyball, a voice recognition module 8 to enable user to input voice command regarding selection of difficulty level, a shaft 9 connected to each of rods 4 via a motorized ball and socket joint 10 to provide movement to shafts 9 in multiple directions, and an infrared transmitter and receiver 11 for detecting number of times volleyball passes through rods 4 and actuates a speaker 12 to notify user.

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