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<p>(51) International classification :A63B0067080000, A63B0069000000, G02B0026080000, A63B0026000000, H04N0005225000</p> <p>(86) International Application No Filing Date :NA :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : <b>1)Jaipur National University</b> Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Prof. Jyotsana Khandelwal</b> Address of Applicant :School of Business &amp; Management, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>2)Prof. Jai Kishan Tandon</b> Address of Applicant :School of Business &amp; Management, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>3)Prof. Rajesh Mehrotra</b> Address of Applicant :School of Business &amp; Management, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p><b>4)Kapil Pal</b> Address of Applicant :School of Engineering &amp; Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p>
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(57) Abstract :

A ball juggling training device comprises of a platform 1 configured with a circular frame 7 via an L-shaped telescopically operated rod 2 for accommodating a ball that is to be juggled by a user, a touch enabled screen 3 for selecting expertise level for juggling ball, an artificial intelligence enabled image capturing module 4 for detecting height of user, a motorized ball and socket joint 5 for providing a to-and fro motion to frame 7 for moving ball towards and away from user's foot, a motorized hinges attached with multiple pins 6 for releasing and gripping ball within frame 7 in case user selected level corresponds to intermediate or advanced level and multiple omnidirectional wheels 8 for maneuvering platform 1 to increase difficulty for user in juggling ball towards frame 7 in case user selected expertise level correspond to advanced level.

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