

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211018732 A

(19) INDIA

(22) Date of filing of Application :30/03/2022

(43) Publication Date : 09/02/2024

(54) Title of the invention : ADAPTIVE SLACKLINING TRAINING SYSTEM

(51) International classification	:A63B0071060000, A63B0022000000, G09B0005020000, G09B0019060000, G06F0003048400	(71) Name of Applicant : 1)Chandigarh Group of Colleges, Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada, Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Manuraj Moudgil
(33) Name of priority country	:NA	2)Sonia sharma
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to adaptive slacklining training system that consists of a pair of telescopic rods 1 placed over the ground surface at a specified distance, each rod is configured with a slider 2 has primary and secondary gripper 3, 4 that connect rods 1 with a rope 5 and a plate 6, a touch interactive screen 7 mounted over one of telescopic rod allows the user to choose expertize mode, an image capturing module 8 is mounted over one of rod captures images of user to evaluate the slacklining performance of the user, in initial level the rope 5 is kept in stretched manner, in order to increase difficulty level, the gripper slides to release rope 5 for allowing lateral movement, an auxiliary rope 9 arranged over the rod for gripping in the beginner mode and measures vital health parameter of the user.

No. of Pages : 13 No. of Claims : 3