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(57) Abstract :

A cycling training device, comprises of a frame 1 established on a surface having first and second portion 2, 3, the first portion 2 is installed with touch interactive display panel 4 for entering details regarding distance to travel and surface upon which user desires to ride, an artificial intelligence based image capturing module 5 mounted on second portion 3 to determine bicycle's length, multiple horizontal telescopic links 6 assembled at first portion 2 that extends/retracts as per bicycle's length, at least two pairs of vertical telescopic links 7 are assembled on horizontal telescopic links 6 and coupled with roller 8 for positioning bicycle, a pair of robotic arm 9 is assembled on first portion 2 for gripping bicycle and a body harness 10 is attached on second portion 3 via a pneumatic rod 11 that is equipped by user.

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