

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211016504 A

(19) INDIA

(22) Date of filing of Application :24/03/2022

(43) Publication Date : 02/02/2024

(54) Title of the invention : SWIMMING ASSISTIVE DEVICE FOR HANDICAPPED PEOPLE

(51) International classification	:A61H0003060000, A61F0009007000, A63B0031080000, B66B0001460000, A61F0009080000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada, Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Amarjeet Kaur</b>
(33) Name of priority country	:NA	<b>2)Manbir Kaur</b>
(86) International Application No	:NA	<b>3)Vikrant Verma</b>
Filing Date	:NA	<b>4)Nandini</b>
(87) International Publication No	: NA	<b>5)Nikhil Dhiman</b>
(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 a swimming assistive device for handicapped people comprising a hand and leg wearable member 1, 2 each fabricated with a suction cup 3 for securing the members with a handicapped user's body while swimming, a flap 4 attached with each of the members by means of a telescopic rod that oscillates in to and fro manner which results in propulsion of the user in a water body, an artificial intelligence based imaging unit 5 determine the height of the user, a display panel 6 provide an option of selected the desired destination and time period within which the user desires to reach towards the destination, a global positioning system unit to determine the distance of the user in between the user and destination, a sensor 7 determine the current flow of water, and a speaker 8 generate voice command regarding the optimum speed and movement.

No. of Pages : 15 No. of Claims : 6