

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014539 A

(19) INDIA

(22) Date of filing of Application :30/03/2021

(43) Publication Date : 23/12/2022

(54) Title of the invention : SMART SWING

(51) International classification :A63B0071060000,
G08B0021180000,
A63B0071020000,
H02J0013000000,
G06T0007200000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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

(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

(72)Name of Inventor :
1)Dr. G G Sastry
2)Dr. Vikas Verma

(57) Abstract :

A smart swing comprising, a swing 1 having a circular base 2, that allows a user to be seated during motion of the swing 1, a vertical pole 3 in association to plurality of telescopic rods 4 at one end and to the pole 3 at other end to extend or retract height of the base 2, multiple horizontal bars 5 equipped with a sensing unit, wherein sensors 6,7,8 installed within the sensing unit detects various parameters of the user, a microcontroller associated with the sensing unit for comparing the received values from various sensors 6,7,8 in the sensing unit with a pre-fed threshold level and generates a command to actuate the rods 4, an alarming unit 9 to generate an alert, plurality of chambers connected with at least one nozzle incorporated within the bars 5, wherein the nozzles dispenses the sanitizer onto user's hands. Ref Figure 1

No. of Pages : 13 No. of Claims : 6