

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014552 A

(19) INDIA

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

(43) Publication Date : 23/12/2022

(54) Title of the invention : AMUSEMENT RIDES CROWD MANAGEMENT SYSTEM

(51) International classification	:H04L0029080000, G16H0010600000, G16H0050200000, A63G0007000000, G06F0003010000	(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)Dr. Anil Kumar Lamba
(33) Name of priority country	:NA	2)Bhanu 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 an amusement rides crowd management system, comprising, a network of computing units assigned to different rides installed in amusement park interlinked with server and equipped with artificial intelligence based camera for capturing user's image for generating database of different user profiles based on name, age and medical information provided by user, processor for analyzing profile and assigns multiple rides applicable in accordance with the age and health conditions of user, body worn on user's wrist for receiving information from module and displays rank wise list of rides combined in accordance with health suitability and waiting time associated with each rides, positioning unit integrated in body for determining real time location of user with respect to pre-fed location of rides and a projection module for displaying visual signals representing path leading towards selected rides through body, helping in crowd management in park. Ref. Figure 1

No. of Pages : 15 No. of Claims : 8