(12) PATENT APPLICATION PUBLICATION   (21) Application No.202311055513 A

(19) INDIA

(22) Date of filing of Application :18/08/2023   (43) Publication Date : 15/09/2023

(54) Title of the invention : SYSTEM OF FACE-TIME HOLOGRAMS BASED ON AI AND METHOD THEREOF

(51) International classification : H04N0007140000, G03H0001220000, G06F0003010000, G06T0013400000, G06T0019000000	(71)**Name of Applicant :**
	  1)**Chitkara University**
	    Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
	  2)**Bluest Mettle Solutions Private Limited**
	Name of Applicant : NA
	Address of Applicant : NA
	(72)**Name of Inventor :**
	  1)**MISHRA, Rahul**
	Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
	  2)**PANDEY, Sakshi**
	Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
	  3)**MANTRI, Archana**
	Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------

(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 describes a system (100) and method (200) for generating and displaying one or more holographic images of a user in real-time during a video call. The proposed system (100) includes a camera (106), a processor (102), a display device (110), and an ARVR headset. During the video call, the camera (106) records the user's image and transmits the user image to the processor (102). Based on the image data, the processor (102) applies AI techniques to build a 3D model of the user's body and face. To create a realistic and dynamic holographic image, the AI technique examines the user's face characteristics, emotions, and movements. The ARVR headgear allows for virtual interaction between the users (112) and the holographic image. The holographic image may be moved about, the size and location changed, and even motions or voice instructions can be used to interact with the user (112).

No. of Pages : 21 No. of Claims : 10