(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/05/2025
(21) Application No.202511043112 A
(43) Publication Date : 23/05/2025

(54) Title of the invention : A NEURAL NETWORK-BASED REAL-TIME EMOTION BALANCER FOR VIRTUAL MEETINGS

(51) International classification :G06V 40/16, G10L 25/63, G06N 3/02, G06N 3/045
(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)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)NISHU NIHARIKA
Address of Applicant :Department of Computer Science, Noida Institute of Engineering & Technology, Greater Noida. Greater Noida ---------- ----------

(57) Abstract :
The present invention discloses a neural network-based real-time emotion balancer (100) for virtual meetings, comprising an emotion recognition module (101), a neural processing unit (102), an emotion adjustment module (103), and an output module (104). The system analyzes facial and vocal cues to detect emotions and applies adaptive responses to enhance emotional balance. It offers real-time modulation of audio-visual elements, personalized learning, and API integration, enabling emotionally intelligent and productive virtual communication.

No. of Pages : 26 No. of Claims : 5