(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/05/2023

(21) Application No.202341033826 A
(43) Publication Date : 16/06/2023

(54) Title of the invention : TEXT BASED EMOTION CLASSIFICATION BY USING NLP WITH PLAYBACK MUSIC

(51) International classification :G06F 163500, G06F 402420, G06F 402840, G06F 403000, G10L 152600
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)Dr.V.P.Gladis Pushparathi
Address of Applicant :Professor, Dept Of CSE, Velammal Institute of technology, Chennai- kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
2)M.Dharani
3)S.D.Kaviya
4)M.Shanmugapriya
5)S.Shreevidhyaa
6)NUTHAKKI ABHIRAM CHOWDARY
7)PUVVULA GOKUL
8)SAI SIVA AKULA
9)MOTURU HITESH
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr.V.P.Gladis Pushparathi
Address of Applicant :Professor, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
2)M.Dharani
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
3)S.D.Kaviya
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
4)M.Shanmugapriya
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
5)S.Shreevidhyaa
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
6)NUTHAKKI ABHIRAM CHOWDARY
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
7)PUVVULA GOKUL
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
8)SAI SIVA AKULA
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------
9)MOTURU HITESH
Address of Applicant :UG Scholar, Dept Of CSE, Velammal Institute of technology, Chennai-kolkotta National highway, Panchetti, ponneri, Thiruvallur (DT)-601204 ---------- ----------

(57) Abstract :
Emotion detection is a division of sentiment analysis that focuses on the identification and evaluation of feelings. Numerous research has been performed within the vicinity of textual content mining and evaluation because of the benefit of sourcing facts and the significant advantages their deliverables offer. We proposed and implemented a novel method for identifying emotions in microblog posts with music to analyze the emotional content of textual data (such as songs) and then associate those emotions with particular musical features (such as tempo, melody, and instrumentation) to create a predictive model of emotional responses to music. The potential to provide valuable insights into the ways in which music and language interact to create emotional experiences for listeners. Unlike traditional approaches, which are mostly based on statistical methods, we try to infer and extract the reasons for emotions by importing knowledge and theories from other fields, such as sociology. The method is based on the idea that the triggering reason for an emotional event triggering reason is a crucial component of that of emotional purpose Extraction is used as a critical step to enhance the fineness of selected features. Machine learning can be used to classify the text by type of emotion by using the previous data to understand the pattern, improving the accuracy of the model by adjusting parameters, and then using that model as the classification model. Different algorithms can be compared, and the best model can be used for classification purposes.

No. of Pages : 11 No. of Claims : 5