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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED FACIAL RECOGNITION SYSTEM FOR SONGS SELECTION

<p>(51) International classification :G06K0009000000, G06F0016635000, G06N0020000000, G06N0005000000, G06F0016680000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)R.Venkateswara Reddy Address of Applicant :Assistant Professor CMR College of Engineering & Technology, Kandlakoya, Medchal, TELANGANA , Hyderabad ----- 2)Dr. Lakhwinder Singh 3)Dr.N.Noor Alleema 4)Mrs. S. Babeetha 5)Mr. Sreejith S 6)Dr Deepthi P S 7)Dr Dileep V K 8)C.LEKHA 9)Aniket Kailas Shahade 10)Dr. Brijesh Sathian 11)Mr. Anvar Shathik J Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)R.Venkateswara Reddy Address of Applicant :Assistant Professor CMR College of Engineering & Technology, Kandlakoya, Medchal, TELANGANA , Hyderabad ----- 2)Dr. Lakhwinder Singh Address of Applicant :Professor & Dean Faculty of Science (FOSC), SGT University, Gurugram 122505, Haryana ----- 3)Dr.N.Noor Alleema Address of Applicant :AP(Sr,G) SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Bharati Salai, Ramapuram, Tamil Nadu ----- 4)Mrs. S. Babeetha Address of Applicant :AP(Sr,G) SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Bharati Salai, Ramapuram Tamil Nadu ----- 5)Mr. Sreejith S Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, LBS Institute of Technology for Women, Poojappura, Kerala 695012 ----- 6)Dr Deepthi P S Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, LBS Institute of Technology for Women, Poojappura, 695012 Kerala ----- 7)Dr Dileep V K Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, LBS Institute of Technology for Women, Poojappura, 695012 Kerala ----- 8)C.LEKHA Address of Applicant :ASSISTANT PROFESSOR SRI SAIRAM INSTITUTE OF TECHNOLOGY, Sai Leo Nagar,West Tambaram Poonthandalam, Village, Chennai, Tamil Nadu 602109 ----- 9)Aniket Kailas Shahade Address of Applicant :Assistant Professor Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra ----- 10)Dr. Brijesh Sathian Address of Applicant :Scientist, Geriatrics and Long term care Department, Rumailah Hospital, Hamad Medical Corporation, Doha, Qatar, P. O BOX 3050, Doha, Qatar ----- 11)Mr. Anvar Shathik J Address of Applicant :Associate Professor & Head, (Senior Faculty –iNurture Education solutions), Srinivas University college of Engineering & Technology, Mukka, Mangalore, Karnataka, 574146 -----</p>
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(57) Abstract :
Artificial intelligence and machine learning based Facial recognition system for songs selection Abstract: There is a lot of interest in face recognition technology right now because it has so much application and commercial growth potential. It is currently being used to great effect in a variety of fields, including security, digital video processing, and others. As a result, music is thought to elicit a stronger emotional response than any other form of art. It has a remarkable ability to improve one's mood. In contrast, the goal of this research is to use Facial Recognition algorithms to build an effective music recommendation system that considers the user's emotional state. Finally, the new algorithm proved to be more efficient than the previous ones. Furthermore, the time and labour spent physically carrying out the procedure would be recovered on a larger scale. The system's overall goal is to recognize facial expressions and quickly and effectively select songs. In the long run, the proposed method will save both time and money.

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