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(54) Title of the invention : INDEMNIFICATION OF MESSAGE CONTACTS CLASSIFICATION MODELS USING MACHINE LEARNING

<p>(51) International classification :G06N0003040000, G06N0003080000, G06Q0050000000, G06N0020000000, G16H0050300000</p> <p>(86) International Application No Filing Date :NA :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant :  <b>1)Dr. Pulluri Srinivas Rao</b>  Address of Applicant :Jayamukhi Institute of Technological Sciences, Chennaraopet, Nekkonda Rd, Makdhumpuram, Narsampet, Telangana, 506332 ----</p> <p><b>2)Dr. Ramkrishna Reddy</b>  <b>3)P Manish Reddy</b>  <b>4)Dhanyanth Reddy</b>  <b>5)Aergatla Karthik Reddy</b>  <b>6)Sayyad Khalisha</b>  <b>7)Mr. Asokkumar. R</b>  <b>8)Krishna Kishore Datti</b></p> <p>Name of Applicant : NA  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)Dr. Pulluri Srinivas Rao</b>  Address of Applicant :Jayamukhi Institute of Technological Sciences, Chennaraopet, Nekkonda Rd, Makdhumpuram, Narsampet, Telangana, 506332 ----</p> <p><b>2)Dr. Ramkrishna Reddy</b>  Address of Applicant :Jayamukhi Institute of Technological Sciences, Chennaraopet, Nekkonda Rd, Makdhumpuram, Narsampet, Telangana, 506332 ----</p> <p><b>3)P Manish Reddy</b>  Address of Applicant :St Martin’s Engineering College Dulapally, Kompally, Secunderabad, Telangana,500014 -----</p> <p><b>4)Dhanyanth Reddy</b>  Address of Applicant :St Martin’s Engineering College, Dulapally, Kompally, Secunderabad, Telangana,500014 -----</p> <p><b>5)Aergatla Karthik Reddy</b>  Address of Applicant :St Martin’s Engineering College, Dulapally, Kompally, Secunderabad, Telangana,500014 -----</p> <p><b>6)Sayyad Khalisha</b>  Address of Applicant :B.V.C Engineering College, Odalarevu – 533210, Allavaram Mandal, East Godavari District, Andhra Pradesh -----</p> <p><b>7)Mr. Asokkumar. R</b>  Address of Applicant :Koneru Lakshmaiah Education Foundation Deemed to be University, Museum Road, Governorpet, Vijayawada, A.P, 520 002 -----</p> <p><b>8)Krishna Kishore Datti</b>  Address of Applicant :St Martin’s Engineering College, Dulapally, Kompally, Secunderabad, Telangana,500014 -----</p>
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(57) Abstract :

This describes content analysis of text with to identify suicidal tendencies and types. This article also describes how to make a sentence classifier that uses a neural network created using various libraries created for machine learning in the Python programming language. Attention is paid to the problem of teenage suicide and «groups of death» in social networks, the search for ways to stop the propaganda of suicide among minors. Analysis of existing information about so-called groups of death and its distribution on the Internet. We first choose the data source, define our proposed model and analyze the baseline characteristics. Then, we compute the frequency of n-grams, such as unigrams and bigrams, in the dataset to detect the presence of suicidal thoughts. We evaluate the experimental approach based on the baseline and our proposed model. Finally, we train our LSTM-CNN model using 10-fold cross-validation to identify our best hyper-parameter selection for suicide ideation detection. For our dataset, we apply the data collected from Reedit social media which allow its users to create longer posts

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