Contents

Application of Deep Learning Approaches for Sentiment Analysis Ajeet Ram Pathak, Basant Agarwal, Manjusha Pandey and Siddharth Rautaray	1
Recent Trends and Advances in Deep Learning-Based Sentiment Analysis	33
Deep Learning Adaptation with Word Embeddings for Sentiment Analysis on Online Course Reviews	57
Toxic Comment Detection in Online Discussions	85
Aspect-Based Sentiment Analysis of Financial Headlines and Microblogs	111
Deep Learning-Based Frameworks for Aspect-Based Sentiment Analysis	139
Transfer Learning for Detecting Hateful Sentiments in Code Switched Language	159
Multilingual Sentiment Analysis	193

Sarcasm Detection Using Deep Learning-Based Techniques Niladri Chatterjee, Tanya Aggarwal and Rishabh Maheshwari	237
Deep Learning Approaches for Speech Emotion Recognition Anjali Bhavan, Mohit Sharma, Mehak Piplani, Pankaj Chauhan, Hitkul and Rajiv Ratn Shah	259
Bidirectional Long Short-Term Memory-Based Spatio-Temporal in Community Question Answering	291
Comparing Deep Neural Networks to Traditional Models for Sentiment Analysis in Turkish Language	311