

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the year

Sl.No	Name of the Teacher	Title of the paper	Title of the Conference	Year and month of the Publication	ISBN of the Book/Conference Proceeding
1	Malathi M., Paramasivam C., Nagalakshmi K., Christiana G., Sangeetha S.	Generic object detection using deep learning	2021 AICTE Sponsored National Online Conference on Data Science and Intelligent Information Technology	March 2022	0094243X
2	Anuratha K., Parvathy M.	Combined Weighted Whale Optimization and Attention-based Deep Learning Approach for Sentiment Analysis	2022 International Conference on Computer Communication and Informatics (ICCCI)	January 2022	ISSN 2214-7853.
3	Anuratha K., Joshi S., Sharmila P., Nandhini J.M.N., Paravthy M.	Topical Sentiment Classification to Unmask the Concerns of General Public during COVID-19 Pandemic using Indian Tweets	2022 International Conference on Computer Communication and Informatics (ICCCI)	September 2021	ISSN 2214-7853.
4	Suresh Kumar S., Thirumalai Kumaran S., Velmurugan G., Perumal A., Sekar S., Uthayakumar M.	Physical and mechanical properties of various metal matrix composites: A review	2 nd International Conference on Functional Materials, Manufacturing and Performances, ICFMMP 2021	December 2021	ISSN 2214-7853.
5	Sivabharathy M., Lenin N., Kanna R.R., Dawood M.S., Senthilkumar A.	Effect on lotus leaf for dielectric applications	Global Conference on Recent Advances in Sustainable Materials, GC-RASM 2021	June 2021	ISSN 2214-7853.





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Document type

Conference Paper

Source type

Conference Proceedings

ISSN

0094243X

ISBN

978-073544187-3

DOI

10.1063/5.0078487

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Generic object detection using deep learning

Malathi M.^a ; Paramasivam C.^b ; Nagalakshmi K.^a ; Christiana, Gospeline^a ;

Sangeetha S.^a

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Abstract

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Abstract

Object discovery is one of the very important and challenging problems in computer computing, seeks to obtain the properties of objects from a large number of categories previously described in natural images. In particular, image classification that aims to see the semantic categories of objects in a given image. Object discovery is not only identifies item categories but also predicts the location of each item with a mandatory box. Semantic separation process aims to predict intelligent pixel separation to assign a specific category label to each pixel, thus providing a richer and more comprehensive understanding of the image. In depth learning strategies have emerged as a powerful strategy for reading presentations directly from the data and have led to significant success in the field of general acquisition. Given this period of rapid evolution, the aim of this paper is to provide a comprehensive analysis of the latest achievements in this field brought about in-depth learning strategies. Here, the deep learning object detection algorithm is implemented for accuracy and time effectiveness to show

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Document type

Conference Paper

Source type

Conference Proceedings

ISBN

978-166548035-2

DOI

10.1109/ICCCI54379.2022.9741041

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Combined Weighted Whale Optimization and Attention-based Deep Learning Approach for Sentiment Analysis

[Anuratha K.^a](#) ; [Parvathy M.^b](#) [Save all to author list](#)^a Sri Sai Ram Institute of Technology, TamilNadu, Chennai, India^b Sethu Institute of Technology, TamilNadu, Madurai, India

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Basiri, M.E. , Nemati, S. , Abdar, M. (2021) *Future Generation Computer Systems*

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The swift development of the Internet paved a vital contribution in the rocketing growth of the electronic commerce and online shopping portals to purchase products. Sentiment Analysis (SA) is a method of analyzing the user reviews posted on the e-commerce and shopping portals, for improving the user satisfaction. In the recent years, Deep learning models are applied for SA. This paper presents a combined attention-based deep model and weighted whale optimization for polarity detection in SA. Both the past and future contexts are extracted based on the flow of temporal information in the front and back directions. The Attention Mechanism (AM) is used at the output stage of the bi-directional layers in the deep network model for imposing either high or low emphasis on different words. Convolution and pooling mechanisms are used for reducing the feature dimensionality and extraction



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Document type

Conference Paper

Source type

Conference Proceedings

ISBN

978-166541447-0

DOI

10.1109/ICCCT53315.2021.9711863

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Topical Sentiment Classification to Unmask the Concerns of General Public during COVID-19 Pandemic using Indian Tweets

Anuratha K.^a; Joshi, Soshya^a; Sharmila P.^a; Nandhini J.M.N.^a; Paravthy M.^b

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Abstract

One of the vibrant social media platforms is which has more than half a million uses across the globe. It has become a popular means for dissemination of the news, to discuss on world events. It is also medium to converse about health centric information with updates given by the concerned officials and general public health-related information, during an abnormal situation like COVID-19 pandemics. As the dimension of data and the linguistics of data been discussed is diverse in nature, it is a challenging task to identify only the content that is interesting and useful. Few studies have been done exploring the regional languages than other English. In this work, we explored huge number of tweets on post-lock down during Covid-19 pandemic by analyzing the sentiments expressed on the tweets and topic identification. To do the same we have employed English 2,126,421 and 76,265 Tamil tweets for analyzing and discussing the usefulness of sentiment analysis and topic modeling in both of the languages. Seven subjects were that are ranked on the analysis of content discussed from India, in

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Document type

Conference Paper

Source type

Journal

ISSN

22147853

DOI

10.1016/j.matpr.2021.07.354

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Physical and mechanical properties of various metal matrix composites: A review

Suresh Kumar S.^a ; Thirumalai Kumaran S.^a; Velmurugan G.^b; **Perumal A.^c**; Sekar S.^d; Uthayakumar M.^a

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Abstract

Over the last few decades, the research trends have been shifted from conventional materials and alloys to composite materials to develop lightweight and efficient one for the required applications. Among the classifications of composites, Metal Matrix Composites (MMCs) revealed improved properties such as lower density with a higher strength to weight ratio, better wear and abrasion resistance and lower thermal expansion coefficient, etc. This paper is concise about the Al, Cu, Mg, Ti

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Document type
Conference Paper

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10.1016/j.matpr.2021.08.224

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Effect on lotus leaf for dielectric applications

[Sivabharathy M.](#)^a [✉](#); [Lenin N.](#)^a; [Kanna, R. Rajesh](#)^b; [Dawood, M. Sheik](#)^b; [Senthilkumar A.](#)^c

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^a Department of Physics, Sethu Institute of Technology, Kariapatti, 626 115, India

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