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2022-23	02	
2021-22	01	
2020-21	01	
2019-20	01	

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## Academic Year 2023- 2024

Sl.No	Title of Papers /Books / Chapters	Name of the author/s	Department of the teacher	ISSN/ISBN number	Link to the Supporting Document
1	Multi-source Word-aligned Attention Average Pooling based Bidirectional Encoder Representation from Transformers for Product Review Sentiment Analysis	Rakshitha Prabhu; Chandrasekara S N	CSE	Electronic ISBN:979-8-3503-9335-4 Print ISBN:979-8-3503-9336-1	<a href="https://ieeexplore.iee.org/document/10502454">https://ieeexplore.iee.org/document/10502454</a>
2	Fundamental of Embedded System and IOT <b>[Text Book]</b>	Dr. Anil Kumar C Dr. Manjunath B N Dr.G K Venkatesh Sunil Kumar B S	ECE	ISBN: 9789357577274	<a href="https://www.flipkart.com/fundamentals-embedded-system-iot/p/itm855ce2b2d5ef">https://www.flipkart.com/fundamentals-embedded-system-iot/p/itm855ce2b2d5ef</a>

## Academic Year 2022– 2023

3	Introduction to Electronics and Communication <b>[Text Book]</b>	Somashekar K, Easwara M Narendra Kumar	ECE	ISBN-13 978-8195838240	<a href="https://www.amazon.in/Introduction-Electronics-Communication-Semester-B/dp/8195838243">https://www.amazon.in/Introduction-Electronics-Communication-Semester-B/dp/8195838243</a>
4	Optimizing the power consumption in WSN through target tracking	Dr. Deepika Lokesh	AIML	ISBN: 978-1-6654-2642-8	<a href="https://ieeexplore.iee.org/document/9640828">https://ieeexplore.iee.org/document/9640828</a>

## Academic Year 2021 – 2022

5	A new approach for lung cancer classification using GSA and FCM with an enhanced fitness function	Dr.S.N.Chandrashekar, Bhanumathi S.	CSE	ISBN: 978-1-6654-8426-8	<a href="https://ieeexplore.iee.org/document/9751725">https://ieeexplore.iee.org/document/9751725</a>
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## Academic Year 2020 - 2021

<b>6</b>	Analysis of Coupling Transition for the Encoded Data and Its Logical Level Power Analysis”	Sreerama Reddy G.M, V.Shavali, P.Ramana Reddy	ECE	Print ISBN: 978-981-16-0080-7 Online ISBN: 978-981-16-0081-4	<a href="https://link.springer.com/chapter/10.1007/978-981-16-0081-4_19">https://link.springer.com/chapter/10.1007/978-981-16-0081-4_19</a>
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## Academic Year 2019– 2020

<b>7</b>	ElGamal-based Privacy-Preseving Scheme (EPPS) for Edge-Cloud-of-Things (ECoT)	N Jayashree; B Sathish Babu	CSE	ISBN:978-1-7281-2619-7	<a href="https://ieeexplore.iee.org/abstract/document/9031020">https://ieeexplore.iee.org/abstract/document/9031020</a>
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# Multi-source Word-aligned Attention Average Pooling based Bidirectional Encoder Representation from Transformers for Product Review Sentiment Analysis

Publisher: IEEE

Cite This

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Rakshitha Prabhu, Chandrashekar Seesandra Nashappa, All Authors

29 Full Text Views

Department of Computer Science and Engineering, C. Byra Gowda Institute of Technology, Kolar, India



## Abstract

### Document Sections

- I. Introduction
- II. Literature Review
- III. Proposed Method
- IV. Experimental Results
- V. Conclusion

### Authors

### Figures

### References

### Keywords

### Metrics

## Abstract:

The product review gives critical data for both businesses and consumers, offering insights needed before buying a service or product. However, the existing methods has drawback of there is not understanding semantic relationship among adjacent characters. To overcome these limitations in this research proposed a Multi-source Word-aligned Attention Average Pooling based Bidirectional Encoder Representation from Transformers (MWAAP-BERT) model for product review sentiment analysis. The dataset utilized for the research is Amazon product review dataset and the data is per-processed by several methods. The Term Frequency-Inverse Document Frequency (TF-IDF) and Skip N-gram methods are used for feature extraction and proposed MWAAP-BERT model is used for product review sentiment classification. Performance of proposed method is estimated with performance measure of accuracy, precision, recall and f1-score. Proposed technique attained high accuracy of 97.5 %, precision of 96.5%, recall of 96.5% and f1-score of 96.5% which is superior than other existing methods like Recurrent Neural Network (RNN), Taylor-Harris Hawks Optimization driven Long Short-term Memory (THHO-BiLSTM) and Convolutional Neural Network-Long Short-Term Memory (CNN-LSTM)

Published in: 2024 4th International Conference on Data Engineering and Communication Systems (ICDECS)

Date of Conference: 22-23 March 2024

DOI: 10.1109/ICDECS569733.2023.10502454

Date Added to IEEE Xplore: 22 April 2024

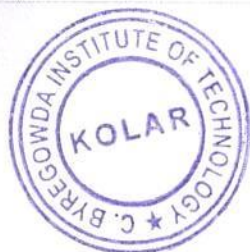
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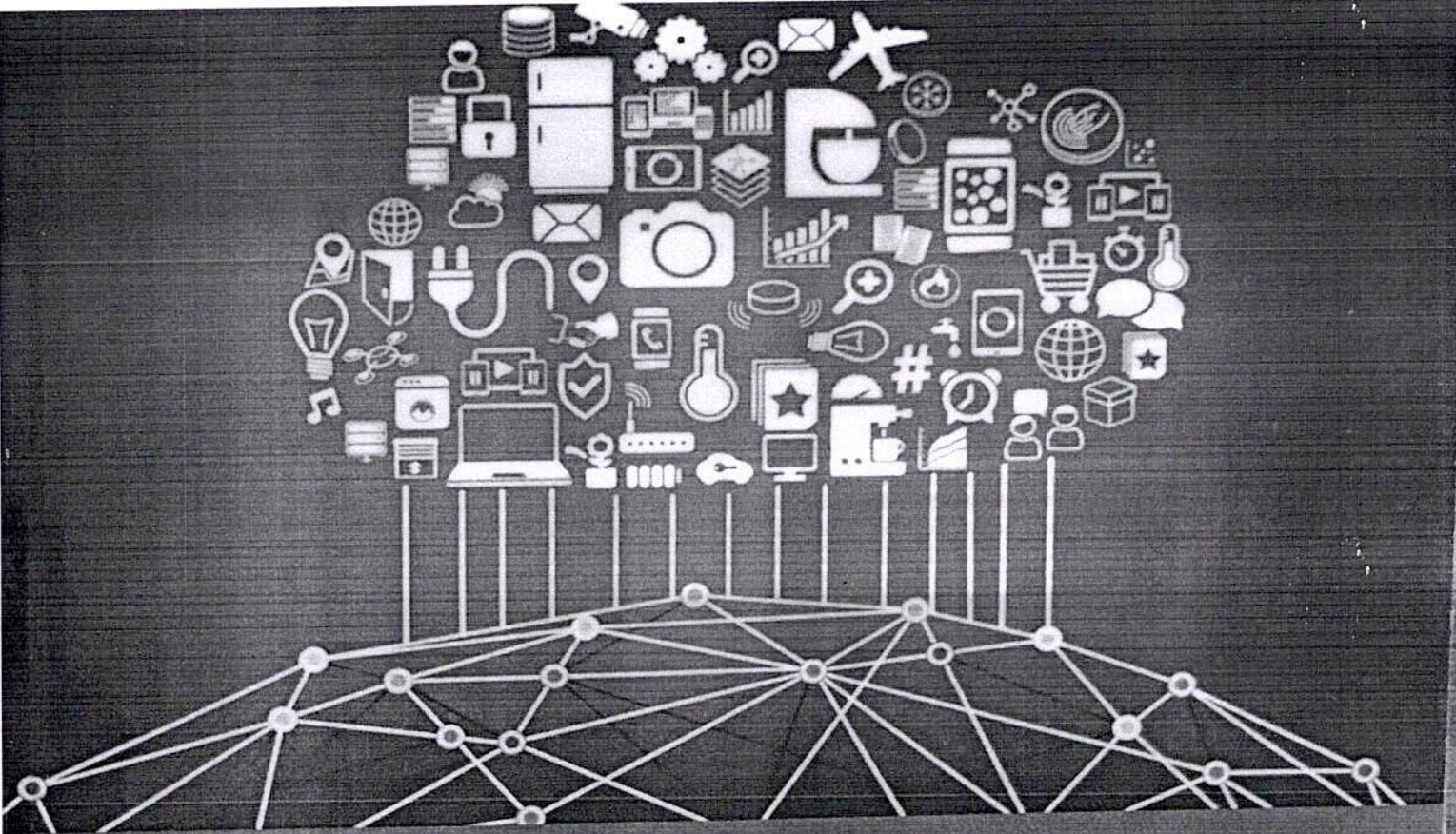
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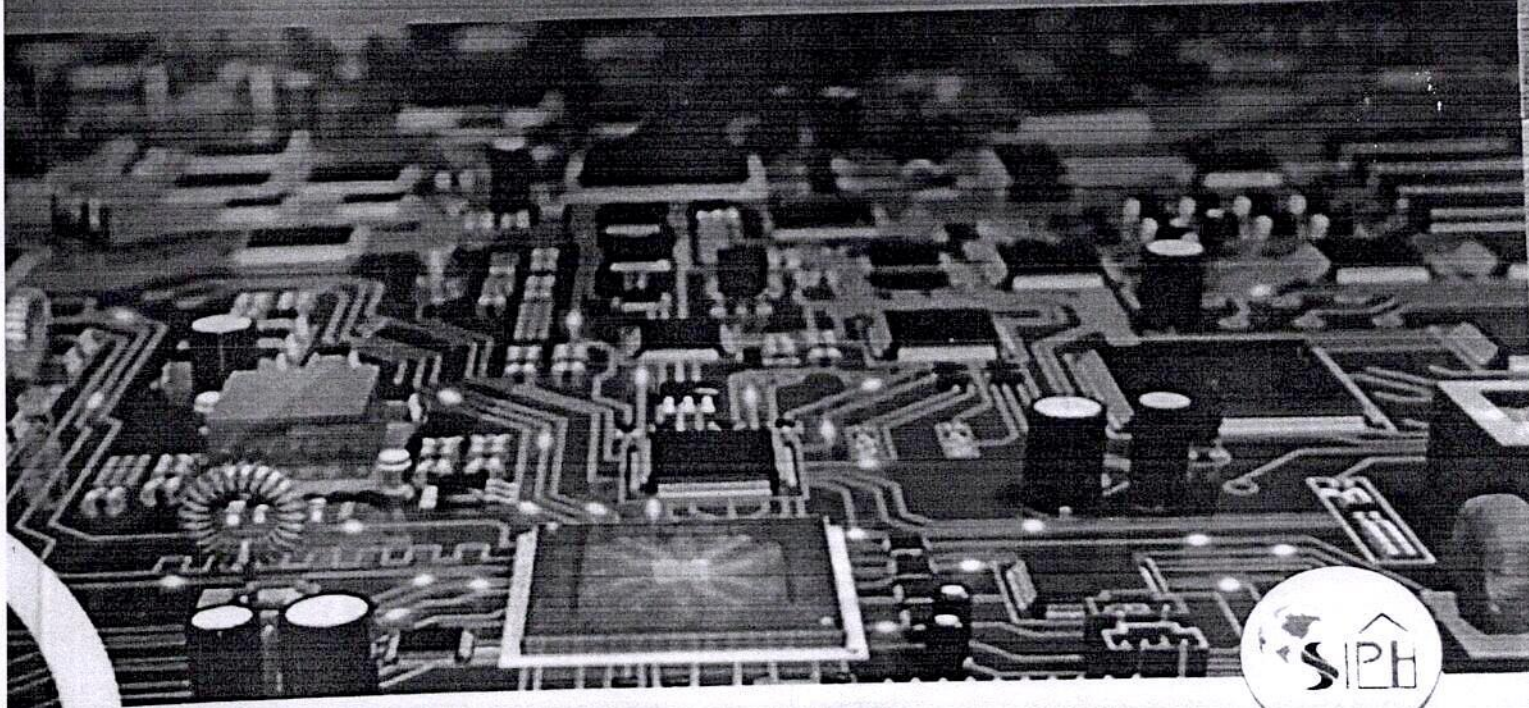
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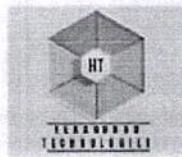
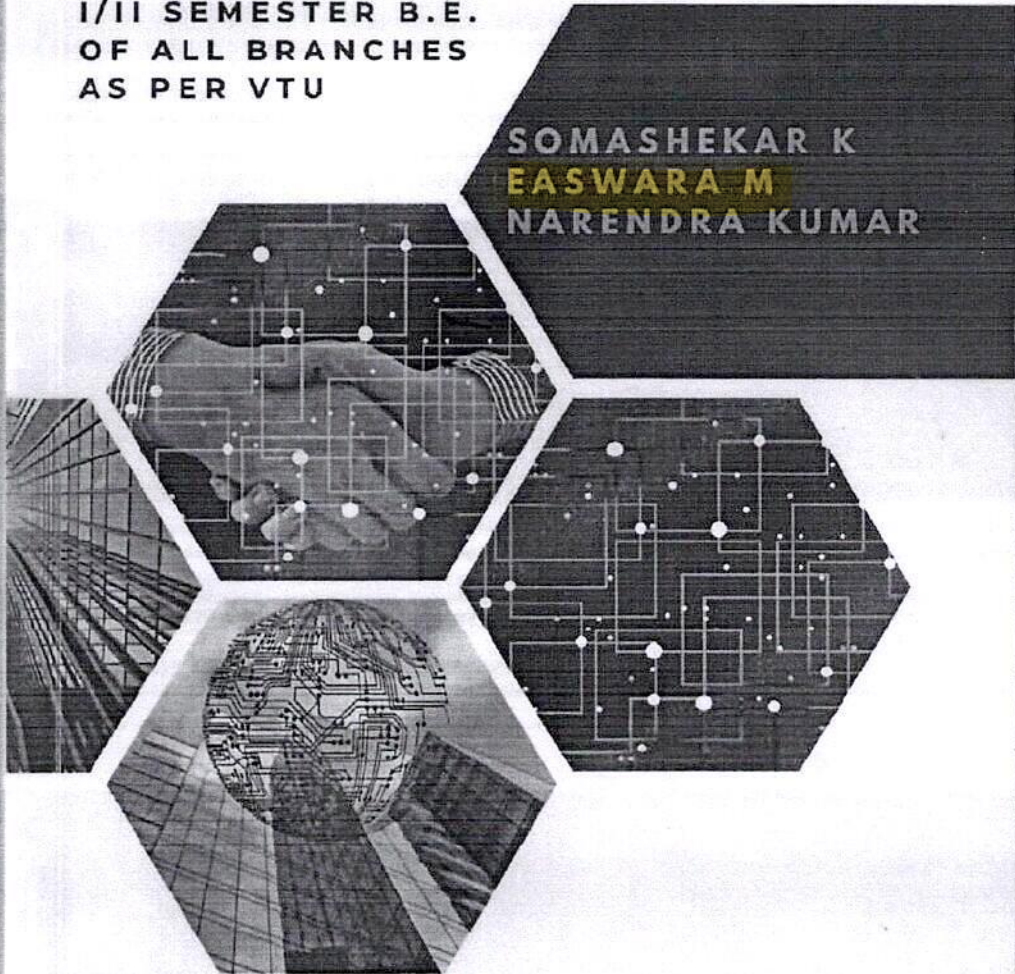




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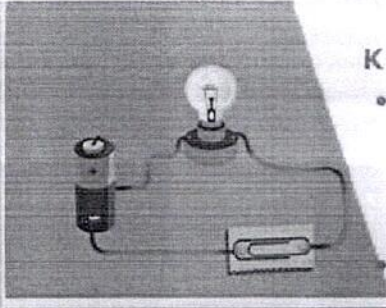
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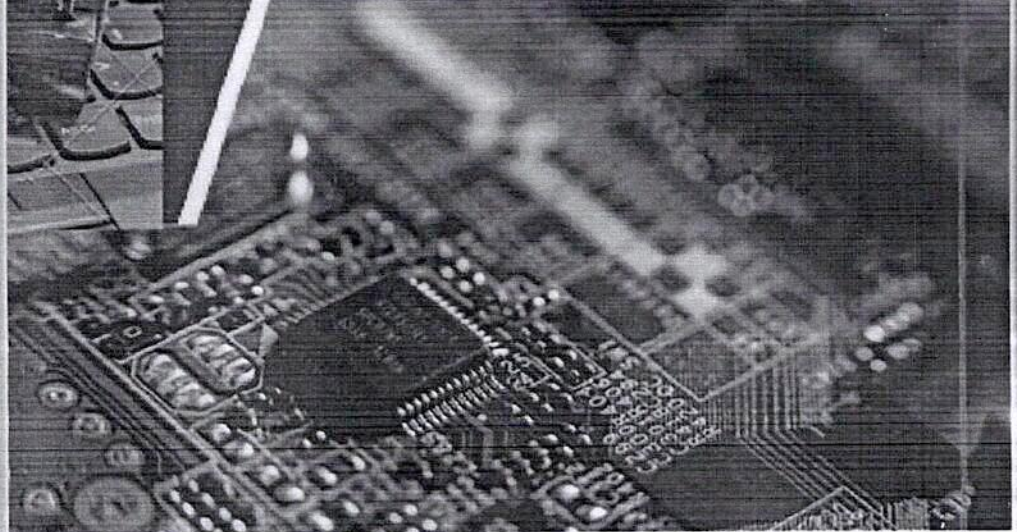
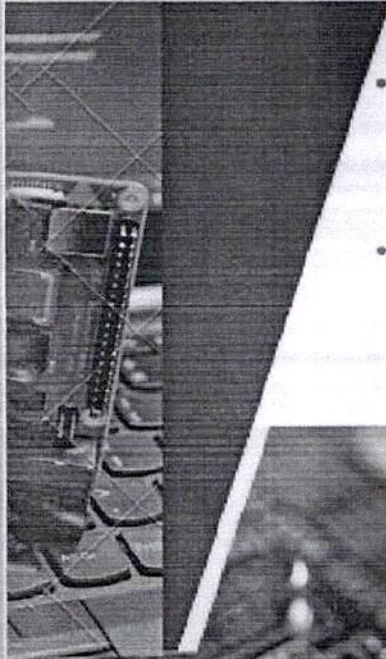
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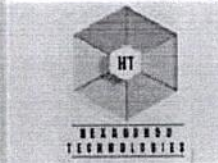


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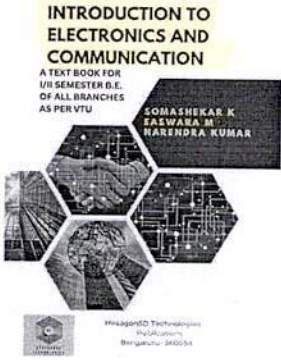
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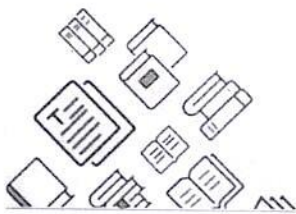
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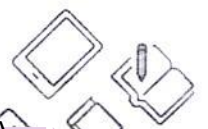
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- I. Introduction
- II. Literature Survey
- III. Energy Efficient Multi-Sensory Target Tracking Method for Wireless Sensor Network
- IV. Experiment Result and Analysis
- V. Conclusion

Authors

## Abstract:

recently, wireless sensor networks (WSNs) have been employed for tracking maneuvering objects. However, considering diverse deployment nature of sensor device higher measurement error is induced during tracking operation. Enhancing lifetime of WSNs and improving tracking accuracy is utmost important. Here in optimizing the energy consumption a clustered based routing scheme is considered. Further, for reducing tracking error Kalman filter is applied in different models; However, Kalman Filter-based tracking model fails eliminate tracking error outlier; in eliminating outlier in measurement model in this paper an H-infinity filter is used. Experiment is carried out for evaluating outcome in terms of energy efficiency, root mean square position error and root mean square velocity error. The proposed H-infinity filter based tracking model outperforms Kalman Filter-based tracking model.

**Published in:** 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)

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**Conference Location:** Palladam, India

► ISBN Information:

Energy efficient routing algorithm on the target tracking in Wireless Sensor Network

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IEEE Transactions on Wireless Communications  
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# A New Approach for Lung Cancer Classification using GSA and FCM with an Enhanced Fitness Function

Publisher: IEEE

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### Abstract

### Abstract:

Currently, the lung cancer is considered as one of the most leading cause of death in both men and women in worldwide due to health related issues. The current medical industry has developed several imaging technique to diagnose the lung cancer. However, the survival after diagnosis is a challenging problem. Thus, prediction of cancer in its early stage is a promising solution to prevent the mortality due to cancer. Smoking is the leading cause of cancer. There are several parameters which can be analyzed to identify the cancer in early stage such as smoking. In order to analyze these parameters, data mining is considered as the best solution. This work presents a data mining based machine learning approach for lung cancer prediction. The conventional data mining applications suffer from the issue of handling the missing values and selecting the significant features. Hence, missing value imputation and a new approach for feature selection using gravitational search optimization is also introduced. Moreover, this optimization process uses a transfer function and mutual information of features to design the new fitness function. Finally, Fuzzy C-means based unsupervised learning scheme is applied to learn the selected attributes. When compared to existing machine learning algorithms, the comparative research shows that the proposed technique outperforms them in terms of classification accuracy, precision, and recall.

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#### I. INTRODUCTION

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<https://ieeexplore.ieee.org/author/37089356316>

#### III. PROPOSED MODEL

#### IV. RESULTS AND DISCUSSION

#### V. CONCLUSION

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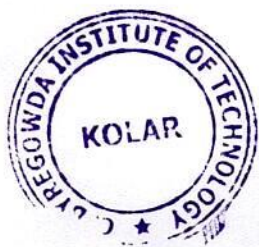
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Conference paper | First Online: 24 May 2021

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## Abstract



Low power is applied while designing a chip and it is the important challenge faced by VLSI designer. Interconnections and internal parameters of bulk connections will consume maximum amount of power when the technology shrinks, when data is transmitted to bus architecture it consumes a significant amount of power, and when transitions occur more power is required, and hence power has to be saved. Switching activity power can be minimized by design and controlling encoding system in the network and power is altered with voltage from the supply rails and

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# EIGamal-based Privacy-Preseving Scheme (EPPS) for Edge-Cloud-of-Things (ECoT)

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## Abstract

### Document Sections

- I. Introduction
- II. Related Work
- III. EIGamal-Based Privacy-Preserving Scheme (EPPS) for Edge-Cloud-of-Things (ECoT)
- IV. Performance Analysis of the Proposed Scheme
- V. Conclusions
- Authors
- Figures
- References

## Abstract:

Edge-Cloud-of-Things (ECoT) is a model that facilitates the communicating nodes with the necessary resources for the data transmissions. The data transmitted in ECOT is done through the nearby IoT devices over the network. This data gets forwarded from edge devices to the heterogeneously distributed edge servers or cloud servers. Therefore, there is a need to ensure privacy of this data along the transmission path. We propose an EIGamal-based Privacy-Preserving Scheme (EPPS) for Edge-Cloud-of-Things to ensure data privacy. EIGamal encryption method is an asymmetric key cryptography based on Diffie-Hellman key exchange, in which the same data results in different ciphertext for each encryption. Due to the nature of this encryption, the privacy is believed to be increased compared to the other techniques.

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