

03 Oct 2023

The Vice-Chancellor

Bangladesh University of Business and Technology

Plot #77-78, Road #9, Rupnagar R/A, Mirpur-2, Dhaka

Through Director of IQAC

Subject: About the Financial Support for our accepted IEEE Conference paper.

Sir,

With due respect, I am glad to share with you that our research paper titled “Improved Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification” under my supervision has been accepted for the 2023 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT2023) by **IEEE Bahrain Section, University of Bahrain, Bahrain** for presentation. I have also four coauthor of our research paper which is Habibullah, Md. Oli Ullah, Minhaz Kamal and Md. Sabbir Hasan Sohag. I need financial support for registration to attend and present it at IEEE Xplore Digital Library. I therefore kindly request that you provide me with financial support of **5,500** tk to present our research at 3ICT2023. Please consider making a financial contribution to support our team. I have attached the accepted confirmation mail from 3ICT2023.

I therefore kindly request that you provide me with financial support of **5,500** tk to present our research at 3ICT2023.

Sincerely Your's

Md. Saifur Rahman

Assistant Professor and Chairman

Dept. of CSE

Bangladesh University of Business and Technology (BUBT)

Abstract:

Transfer learning may boost modeling speed. This research unifies the improved VGG16 model. Skipping VGG16's entirely connected layer and tying it to the layer following it improves CNN's architecture and reduces its processing burden. CNNs are classifying cat and dog photos. With a small dataset, CNN training may take time and resources. Transfer learning uses ImageNet models to handle similar challenges in new contexts. Transfer learning enhances CNN cat-dog classification. The proposed technique selects a suitable pre-trained model, freezes its layers to retain acquired properties, adds layers to learn task-specific features, and tunes it using the cat and dog dataset. Data augmentation improves model performance and prevents overfitting. Hyperparameter optimization and validation enhance model accuracy and speed. This method enhances cat and dog photo classification even without adequate data to train CNNs with an accuracy of 97%.

Confirmation Email from 3ICT2023 Chair:

3ICT2023 Review Decision For Your paper #1570941121 ('Improved Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification') Inbox x



3ICT2023 <3ict2023-chairs@edas.info>
to me, Oli, Minhaz, Sabbir, Saifur ▾

Thu, Sep 14, 11:26 AM ★ ↩ ⋮

Dear Mr. Habib Ullah:

Congratulations - your paper #1570941121 ('Improved Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification') has been accepted for presentation in the 2023 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT). Your manuscript should be prepared as a two column pdf file without the page numbers using the standard IEEE 2-column paper format that can be found at: http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Please note that according to IEEE xplore publishing Criteria: any paper with high similarity or excessive citation for the used references & self citation must be rejected.

The following information is provided to help you in publishing your final paper in the proceedings of 3ICT2023.

Please note that your manuscript will reviewed once more before submission to IEEEExplore, and will not publish your paper if the plagiarism is high in your paper and the PDF does not comply with the template instructions such as paper length, margins, and fonts embedding.

The due date for submitting the final version of your paper is October 15, 2023.

IEEE-Xplore-compatible PDF generation

The final paper must be converted into PDF with settings compliant with the requirements of the IEEE Xplore digital library. To this purpose, the IEEE PDF eXpress website web tool should be used. PDF files generated in a different way might not be IEEE Xplore-compliant and could be rejected.

The instructions to generate an IEEE-Xplore-compatible PDF file using the IEEE PDF eXpress web tool are listed below:

Create an IEEE PDF eXpress account using the conference ID (Will be provided in another email).

The first time you access IEEE PDFeXpress, please follow the link (<https://www.pdf-express.org/>) to "New Users".

The full reviews are below or can be found at <https://edas.info/showPaper.php?m=1570941121>, and it is given below:

===== Full Review 1 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

-Recent topic

- the author written is very good

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

the paper is novel

> *** Originality: New or Novel contribution

Accept (8)

> *** Significance of Topic: Relating to knowledge contribution

Accept (8)

> *** Presentation: Clarity and Organisation of Content

Accept (8)

===== Full Review 2 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

The paper described in detail the methodology, experiments, and analysis for improving the VGG16 model for classifying cats and dogs.

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth

the paper is novel

> *** Originality: New or Novel contribution

Accept (8)

> *** Significance of Topic: Relating to knowledge contribution

Accept (8)

> *** Presentation: Clarity and Organisation of Content

Accept (8)

===== Full Review 2 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

The paper described in detail the methodology, experiments, and analysis for improving the VGG16 model for classifying cats and dogs.

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

The paper addresses the performance of an improved cnn to classify cats and dogs. The experimental setup was described in detail and results were visualized using tables and charts to ease understanding. The proposed method was also compared with other methods. However, the conclusion could be rewritten to ease understanding of what is being discussed. Figure 4 on page 4 needs to be reduce as it covers the words on the left paragraph. Table III, typo - method.

> *** Originality: New or Novel contribution

Accept (8)

> *** Significance of Topic: Relating to knowledge contribution

Accept (8)

===== Full Review 3 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

The paper presents an exploration of Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification. The research questions are well-defined, and the methodology is sound, demonstrating a rigorous approach to data collection and analysis. The literature review effectively situates the study within the existing body of knowledge.

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

There are a few specific areas that require attention:

1. The structure of the paper could be refined for improved clarity and flow. Consider reorganizing sections to create a smoother narrative that guides the reader through your research process.
2. Provide additional context and interpretation for your results. Readers should be able to easily understand the implications of your findings and their significance in the broader research context.
3. Strengthen the theoretical discussion by connecting your findings to the theoretical methods. This will enhance the overall cohesion of your paper.

> *** Originality: New or Novel contribution

Weak Accept (6)

> *** Significance of Topic: Relating to knowledge contribution

Weak Accept (6)

> *** Presentation: Clarity and Organisation of Content

Weak Accept (6)

===== Full Review 4 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

Nice Paper

Only check for grammars and typo error

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

Nice Paper

Only check for grammars and typo error

> *** Originality: New or Novel contribution

Accept (8)

> *** Significance of Topic: Relating to knowledge contribution

Accept (8)

> *** Presentation: Clarity and Organisation of Content

Accept (8)

===== Full Review 5 =====

> *** Strengths/Weakness: What are the major reasons to accept/reject the paper? [Be brief.]

The paper does a good work for image classification using transfer Learning with VGG16 and an improved convolutional neural network to classify the cat and dog images. The paper analyzes the proposed algorithm well.

> *** Contribution/s & Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

The paper contains a good field in AI; CNN with transfer learning. But the data set can be more efficient to use as a useful application in our daily life. In what field can the classification of cat and dog images use? I suggest changing the data set to be more efficient and useful in our daily life.

The paper is written in a highly technical way, also the references are used carefully. The article displayed very well but I have two comments:

1. the equations must be numbered and cited before written (like the figures and tables).
2. Second, figures (5,6,7, and 8) must have the caption of x and y axis's to be more clear to the reader.

> *** Originality: New or Novel contribution

Neutral (5)

> *** Significance of Topic: Relating to knowledge contribution




Neutral (5)

> *** Presentation: Clarity and Organisation of Content


Strong Accept (10)

Regards,
3ICT Chair


Papers authored

Track	Paper title (details)	Edit	Upload	Withdraw or unwithdraw
03 Artificial Intelligence	<i>Improved Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification</i>			




Reviews assigned to others

	You have not assigned any reviews for this conference to other reviewers.
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Registrations

Event:Option	Description	Available for	Attendee	Papers covered	Cancel Convert
01 AR:STR	Author Registration Student Registration	students	self	<i>Improved Convolutional Neural Network and Transfer Learning with VGG16 Approach for Image Classification</i>	

Registration payments

Amount	Method	Wire transfer receipts (upload)	Paid	Invoice Receipt	Visa letter	Attendee certificate	Cancel
\$50.00	creditcard						

CONFERENCE REGISTRATION

Registrations for 3ICT conference are done electronically using the [Online EDAS conference management system](#)
(Cancellation fee beyond 24 hours are 50 %, no cancellation after 20th of October, 2023)

REGISTRATION FEES

Registration	Fees
Non-IEEE	\$150
IEEE Member	\$100
Student	\$50