



## JUTE PEST CLASSIFICATION USING CNN ARCHITECTURE

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### ABSTRACT

*Jute is an important cash crop that is cultivated widely in many countries, including Bangladesh, India, and China. However, jute crops are vulnerable to various pest attacks that can significantly reduce the yield and quality of the crop. So, a deep learning model is developed in this project for Jute Pest detection and classification. The proposed system aims to identify different types of pests that attack jute crops based on the dataset. We trained and tested our CNN model on a dataset of jute pest images, achieving an accuracy of 96%. Our results demonstrate that the proposed system can effectively classify different pest types in jute crops, which can help farmers take timely actions to control pest infestation and improve the overall yield and quality of the jute crop. And this model is also deployed using the Django web framework and it shows the type of Jute Pest.*