RAJALAKSHMI INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

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Chennai-Bangalore Highway Road, Kuthambakkam, Chennai-600124

CENTRE FOR DATA SCIENCE

Project Confirmation form

Team ID	DS/2023-2024/TMID-010			
Project Batch No	10			
Name of the Team Lead	Mr.Dhakshna moorthy.D			
Team Allotted as per Choice	Name of the Team Members	Signature		
	1.Mr.Dhakshna moorthy.D			
	2.Ms. Manisha devi.S			
	3.Mr.Gowtham.S			
	4.Mr.Prasanna			
Team Size	04			
Name of the Technology	Data Science			
Name of the Domain	Education			
Title of the Project	Insect bite prediction			
Duration of the Project	2 months-March to April			
Name of the Supervisor	Dr.Srivenkateswaran.C			
Designation	Professor/AI&DS			
Project Status	Confirmation/I Review/I		II Review/III Review	
Signature of the Supervisor With Date				
		10/04/2024		

Centre Head

Objective:

To make the user to identify the insect by the picture of bite.

To give detailed information about the insect's bite.

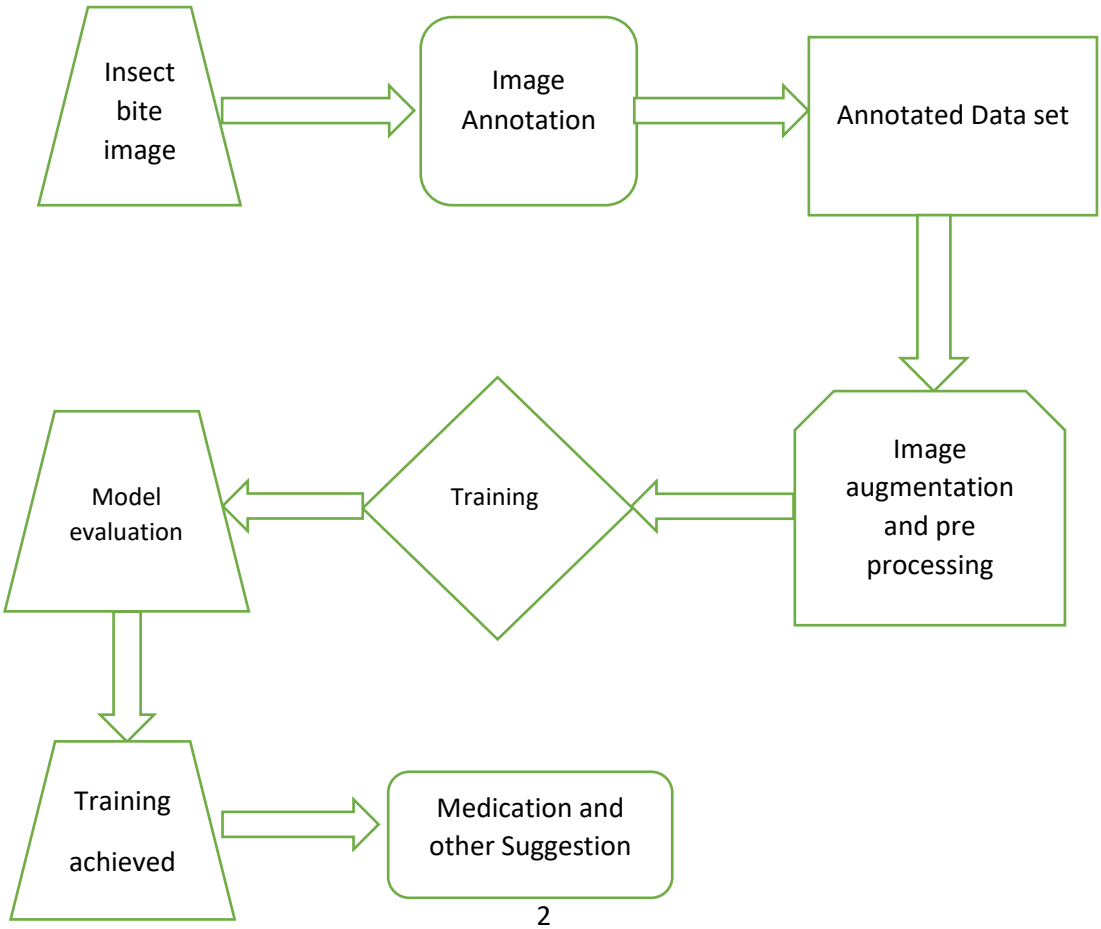
To provide solutions to prevent serious auctions.

To make the model user friendly

Abstract:

The model is a powerful tool for identifying insect bites and providing valuable information to help users avoid further consequences, its deep learning approach allows it to classify bites with a high degree of accuracy, making it a reliable resource for anyone who needs to identify an insect bite

Architecture/Model:



Key Words:

- Image Acquisition
- Image preprocessing
- Feature Extraction
- Deep learning - Neural Network (CNN)

Future Enhancement:

The model has classified the type of insect bite, it can provide detailed information about the insect responsible for the bite. This information can include the insect's physical characteristics, habitat, and behaviour. Additionally, the model can provide instant solutions to avoid further consequences of the bite, such as preventing infection or reducing itching and swelling. The model is designed to be user-friendly and accessible, making it easy for anyone to use, even if they don't have any experience with deep learning or insect identification. All the user needs to do is take a picture of the bite and upload it to the model, which will then provide the classification result and any relevant information about the insect and how to treat the bite.