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Sulochana Sooriyaarachchi, PhD

5 September 2024

Deputy Director
Deputy Director's Office,
Agriculture Department,
Labuduwa,
Galle.

Dear Deputy Director,

Collaboration Request for Bee Hive Monitoring Project

I am writing to you as a Senior Lecturer in the Department of Computer Science and Engineering, University of Moratuwa to request collaboration in an engineering project on monitoring bee hives, which we believe will significantly contribute to the field of Meliponiculture.
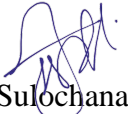
The primary goal of our project is to develop an embedded system capable of real-time monitoring of bee hives. This system aims to collect data on various hive conditions, including temperature, humidity, and bee activity, which are critical factors in optimizing hive management and increasing honey production.

I would appreciate your assistance in obtaining access to data on local bee populations, hive management practices, and environmental factors that could affect bee behavior to ensure the success of this project. I would like to request your support to the leading student Mr. H. K. Yasantha Niroshana (NIC: 200113001890) in the following areas:

- Data Collection: Access to historical and current data on bee hives within the region, including environmental data that may impact hive health.
- Field Access: Permission to conduct field tests at local apiaries to validate and enhance our system under real-world conditions.

We are hopeful for a positive response and are available to discuss any further details at your convenience.

Yours sincerely,

Dr. Sulochana Sooriyaarachchi
Mobile: 0776691011