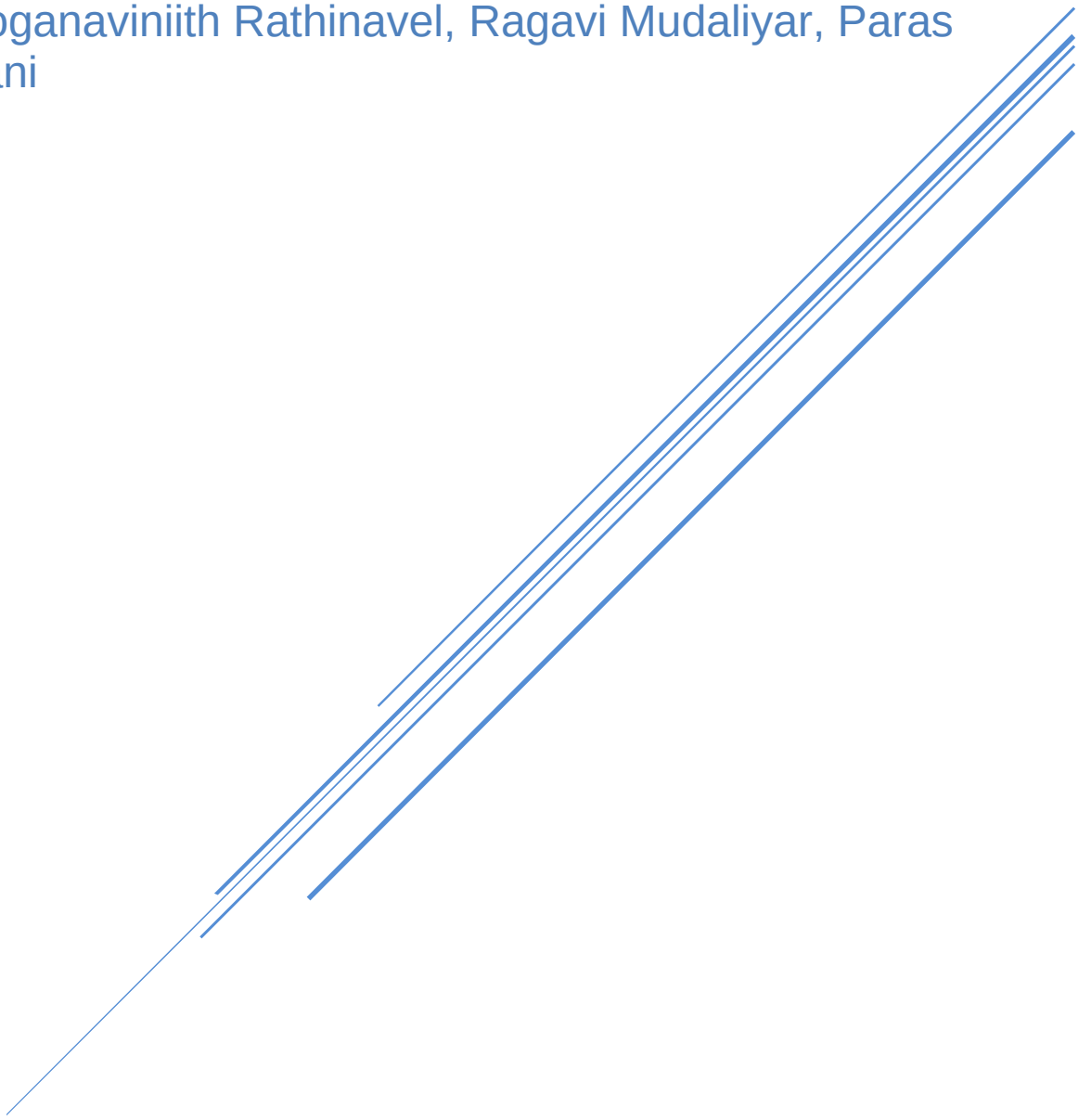
HONEYBEE PESTS & PATHOGENS IN ONTARIO APIARIES PROJECT CHARTER

By: Moganaviniith Rathinavel, Ragavi Mudaliyar, Paras Gangani



Richard Lambroff
Business Processes

Project Charter

Part I: Project Overview

Project Name	An analysis report of Honeybee Pests & Pathogens in Ontario Apiaries.		
Project Charter Author	Moganaviniith Rathinavel		
Creation Date	30th November, 2022	**Last Revision Date**	2nd December, 2022
Project Requestor	Richard Lambroff		
Proposed Project Start	Nov 30, 2022		
Proposed Project End	Jan 30, 2022		

Part II: Stakeholders

Sponsor	Richard Lambroff
Client	Richard Lambroff
Project Team	Ragavi Mudaliyar – Communicator Rajalakshmi Nagarajan – Developer Paras Gangani – Data Analyst

Part III: Project Details

Project Description	We will analyze about pests and pathogens in Ontario's apiaries and compare it with previous year's report. We will be analyzing rate of individual pests per monitoring site. As a result, we will be deriving an insight comparing previous year pest ratio and the current ratio.
Project Objective	The objective of this project is to develop a data analysis report for our client which will help them to get reports about • Name of pests attacking comb as per season. • Which pest or pathogen attacks more on comb • Improvements that can be made to reduce the pests and pathogens rate using the given predictive analysis.
Project Requirements	Obtain the relative data set from the company • Data must be in line with python and Power BI • Data must be analysed with Excel and SAS • Data analysis should include the metrics and trends • Results must be visualized through visualization tools such as Tableau with clear and descriptive explanations
Project Outcomes or Benefits	The Project's outcomes, their value-added and benefits are as follows:

	• Enables to take necessary actions in each monitoring site • This analysis report will provide a valuable insight to the client's company about what steps they can take to manage the different kind of viruses • Using this data analysis report as reference, the company can introduce more schemes to reduce the virus affected sites
Project Scope	Data analysis on report of Honeybee Pests & Pathogens in Ontario Apiaries. I. Data analysis on pests and pathogens of year 2018 and predictive analysis for upcoming year. II. Data visualization of the analysed data. III. Guidance or recommendations to improve the scenario.
Project Deliverables	• Database to be processed with complete set of data which contains details on different kind of pest and pathogen attacks • Present a data visualization which displays the above points during the tenure 2017 – 2022 • Transfer the knowledge of all research, analysis, visualizations, analysis models, testing, codes, formulas, algorithms, technology, documentation, and work product
Constraints/Risks	Potential Challenges Copied from the Proposal
Assumptions	• Data is reliable, precise, complete, sufficient and consistent to the extent that it is useable for meaningful analysis
Key Dependencies	• Understanding the functional side of the Project • Receiving and understanding the data • Cleaning and organizing the data • Coming up with a robust Analysis Model

Part IV: Communications

Stakeholder	Message	Method	Frequency
Sponsor	Client Meetings	In-person, MS Teams	As needed
	Risks and Issues	Email, In-person	As needed
	Project Status Reports	Email	Weekly
	Closing Presentation	In-person	
Project Manager	Client Meeting	In-person, MS Teams	As needed
	Team Meetings	In-person	In-person
	Risks and Issues	In-person, email	As needed
	Project Status Reports	Email (creator)	Weekly
	Closing Presentation	In-person	

Team Members	Client Meeting	In-person, MS Teams	As needed
	Team Meetings	In-person	In-person
	Risks and Issues	In-person, email	As needed
	Project Status Reports	Email (contributor)	Weekly
	Closing Presentation	In-person	

Part V: Project Timeline

Project Timeline	Activity	Complete By
	Client Acceptance of the Project Charter	Nov 30, 2022
	Requirements phase	Dec 2, 2022
	Design phase	Dec12, 2022
	Development phase	Dec 15, 2022
	Testing phase	Dec 20, 2022
	Release phase	Jan 2, 2022
	Client's presentation	Jan 15, 2022
	Handover of the Deliverables	Jan 20, 2022
	Project Closeout	Jan 30, 2022

Approval Signatures

Georgian College,
Department of Research and Innovation
Big Data Analytics Program

Richard Lambroff

Sponsor Name and Title

Richard Lambroff

Originator and Role

Approval Date: Feb 2, 2022