Project Initialization and Planning Phase

Date	15 july 2024
Team ID	739947
Project Title	**Slop sence : utilising resort features for regression modelling**
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) report

Develop a predictive model using resort features to improve revenue management and strategic planning.. Utilizing resort features for regression modeling has resulted in a powerful predictive tool for revenue management and strategic planning. By leveraging these insights, resorts can optimize their operations and improve their bottom line.

Project overview

Objective	Maximize revenue and profitability while enhancing the guest experience, by leveraging predictive analytics and data-driven insights to optimize: Room pricing and inventory management .Amenities and services offerings
Scope	This scope statement outlines the key areas of focus for the predictive analytics project at the resort, including the specific business problems to be addressed, the data sources to be integrated, and the types of insights and tools to be developed.

Problem Statement	
Description	This description provides a concise overview of the resort's key features, amenities, and atmosphere, highlighting its luxurious and relaxing experience..
Impact	Solving these issues will result in improved operational efficiency, reduced risks, and an overall enhancement in the lending process, contributing to customer satisfaction and organizational success.

Proposed Solution

Approach	. This approach statement outlines the resort's commitment to providing a unique and exceptional experience for guests, while also prioritizing sustainability and continuous improvement.
Key Features	- the specific key features may vary depending on the type and size of the resort, as well as its target audience and location..

	- Real-time decision-making for quicker loan approvals. - Continuous learning to adapt to evolving financial landscapes.

Resource Requirements

Resource Type	**Description**	**Specification/Allocation**
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	T4 GPU
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	1 TB SSD
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, numpy, matplotlib, seaborn
Development Environment	IDE	Jupyter Notebook, pycharm
Data		
Data	Source, size, format	Kaggle dataset, 614, csv UCI dataset, 690, csv