# Project Initialization and Planning Phase

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| Date | 31 January 2026 |
| Team ID | LTVIP2026TMIDS79636 |
| Project Title | AutoSage App Using Gemini Flash |
| Maximum Marks | 3 Marks |

**Project Proposal (Proposed Solution) template**

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| **Project Overview** | |
| Objective | The main objective of the AutoSage project is to build an application that gives vehicle details such as brand, model, mileage, price, and resale value by analyzing vehicle images using Gemini Flash. |
| Scope | The project allows users to upload images of two-wheelers and four-wheelers and receive vehicle information through an AI model. The project focuses only on providing information and does not include vehicle booking or payment features. |
| **Problem Statement** | |
| Description | Users find it difficult to collect complete vehicle information from one place. Vehicle details are available on many websites, which makes searching and comparing vehicles slow and confusing. |
| Impact | This problem affects users by wasting time and making it harder to choose the right vehicle. A simple and quick solution is needed to reduce confusion. |
| **Proposed Solution** | |
| Approach | AutoSage uses the Gemini Flash AI model to analyze vehicle images. A Streamlit web application is used to upload images and show vehicle details instantly. |
| Key Features | Upload vehicle images<br>AI-based vehicle analysis<br>Clear and structured output<br>Easy-to-use interface |

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| | Secure API key usage |

**Resource Requirements**

| Resource Type | Description | Specification/Allocation |
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| **Hardware** | | |
| Computing Resources | Laptop or Desktop | Standard System |
| Memory | RAM | Minimum 8 GB RAM |
| Storage | Disk space | 10 – 20 GB |
| **Software** | | |
| Frameworks | Python frameworks | Streamlit |
| Libraries | Additional Python libraries | Google-generativeai, python-dotenv, Pillow |
| Development Environment | IDE, version control | VS Code, Github |
| **Data** | | |
| Data | User-uploaded vehicle images | Small to medium-sized images (JPG, JPEG, PNG) |