

# Software Risk Management Plan

## 1. Introduction

This document identifies, analyzes, and manages potential risks associated with the **Food Delivery & Table Reservation Application** project. The goal of risk management is to minimize the impact of uncertainties that may affect project quality, schedule, or performance.

## 2. Risk Identification

The following risks have been identified:

- **Technical Risks:**  
Payment gateway integration failure, server issues, or software bugs.
- **Schedule Risks:**  
Delay in module development or testing.
- **Cost Risks:**  
Unexpected expenses related to hosting or third-party services.
- **Resource Risks:**  
Limited availability of team members or technical expertise.

## 3. Risk Analysis

Each identified risk is analysed based on:

- **Probability:** Likelihood of the risk occurring (Low / Medium / High).
- **Impact:** Effect on project objectives if the risk occurs.

High-probability and high-impact risks are given priority for mitigation.

## 4. Risk Mitigation

- Perform regular testing to reduce technical risks.
- Use reliable payment gateway services.
- Follow a project schedule with milestones.
- Maintain backup resources and documentation.
- Conduct periodic reviews with the project guide.

## 5. Risk Monitoring

- Risks will be reviewed continuously throughout the project.
- New risks will be identified and documented as they arise.
- Mitigation strategies will be updated if required.
- Status of risks will be reported during project reviews.