Project Design Phase-I
Solution Architecture

Date	03-11-23
Team ID	Team-592384
Project Name	Deep Learning Model For Detecting Diseases In Tea Leaves
Maximum Marks	5 Marks

Solution Architecture:

Solution architecture is a field of expertise within the broader discipline of enterprise architecture. It focuses on designing and describing the structure and behaviour of complex systems and solutions. These solutions can encompass a wide range of domains, including information technology, business processes, and organizational structure. The primary goal of solution architecture is to ensure that a proposed solution aligns with the organization's goals and requirements, is technically feasible, and can be implemented efficiently and effectively.

Key aspects of solution architecture include:

- Requirements Analysis: Understanding and documenting the specific needs and objectives of the organization or project.

- Design and Documentation: Creating detailed design specifications and documentation that describe the structure, components, and interactions of the proposed solution.

- Technology Selection: Choosing the appropriate technologies and tools to implement the solution.

- Integration: Ensuring that the solution can effectively integrate with existing systems and external services.

- Scalability and Performance: Addressing the scalability and performance requirements of the solution, so it can handle increasing workloads and maintain acceptable performance levels.

- Security: Identifying security requirements and designing security measures to protect the solution from threats and vulnerabilities.

- Compliance: Ensuring that the solution complies with relevant industry standards, regulations, and best practices.

- Cost and Resource Management: Managing the cost and resource requirements of the solution, including budget constraints and the allocation of human and infrastructure resources.

Solution Architecture Diagram: