Project Design Phase-I
Solution Architecture

Date	27 november 2023
Team ID	591191
Project Name	Project - Vande Bharat Express
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

Analysis	Design	Development	Testing	Deployment	Maintenance
• Requirements writing and analysis • User story generation	• Architecture writing assistance • Sequence, flow diagram generation • Data Model authoring • UX design assistance	• Code generation • Debugging • Explain code • Improve consistency • Code translation	Test cases writing Testing code generation	• Continuous integration/Continuous deployment generation • Infrastructure as Code script writing support • Automation script writing assistance	• Performance monitoring and remedy suggestion • Document generation • AI-assisted support