**Project Design Phase**

**Solution Architecture**

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| |  |  | | --- | --- | | **DATE** | **27-06-25** | | **TEAM ID** | **LTVIP2025TMID31866** | | **PROJECT NAME** | **EDUTUTOR AI:Personalized Learning with Generative AI nad LMS Integration.** | | **MAXIMUM MARKS** | **4marks** | |  |
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**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:**



*Figure 1: Architecture and data flow of the voice patient diary sample application*

**Reference:** [**https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/**](https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/)