Project Design Phase-I Solution Architecture

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| **Team ID** | **88A47BC9080CDE499E844AF1A08CEE03** |
| **Project Name** | **Creating an Sponsored post for Instagram** |

# 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. The solution architecture of my project “Creating an Sponsored post for Instagram “ is shown below.

# Flow of a Project:

The data flow of my project is discussed with step by step process as below.

**step-1: User Interface (UI):**

## Develop a user-friendly web interface where administrators can create sponsored Instagram posts. Include options for adding content, captions, images, and scheduling.

## Step-2: Canva Integration:

## Integrate Canva's design features, allowing users to create visually appealing posts. Provide access to Canva's templates, elements, and design tools.

## Step-3: Authentication and Authorization:

## Implement user authentication for secure access to the platform. Implement automation for posting at specified times.

## Step-4: Scheduling and Automation:

Create a scheduling system to determine when posts should be published on Instagram. Implement automation for posting at specified times

**Step-5:** **Instagram API Integration:**

Connect to the Instagram API to facilitate post publishing. Enable user authentication for the Instagram account linked to the education platform.

**Step-6:** **Analytics and Reporting:**

## Implement tracking and analytics tools to monitor post performance. Gather data on engagement, reach, and conversions for campaign assessment

## Step 7 : Security and Compliance:

Ensure data security through encryption, access controls, and security audits. Adhere to Instagram and Canva's policies and guidelines for sponsored posts and API usage.

These are the Flow of our project ” **Creating an sponsored Post For Instagram** ” and its step-by step procedure is described briefly with Solution architecture in the above content.