

Project Design Phase-I
Solution Architecture

Date	19 NOV 2023
Team ID	Team-591694
Project Name	Crime Vision: Advanced Crime Classification With Deep Learning
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.

- **User Interface:**

- Web Interface: Represents the web-based user interface.
- Mobile App: Represents the mobile application.

- **Backend Services:**

- API Gateway: Manages and routes requests from the user interface to the backend services.
- Crime Analysis Engine: Represents the core functionality for crime analysis using deep learning models.
- Object Recognition: Identifies objects relevant to crime scenes in images.

- Activity Recognition: Analyzes video footage to recognize criminal activities.
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- **Data Storage:**
- Database: MongoDB Atlas is used as a cloud-based NoSQL database for storing and managing data.



