Architecture Diagrams:

* High-level Architecture diagram

**Dataset (original or manipulated**

**Data Splitting**

**Upload Video**

**Video processing (splitting the video into frames)**

**Model**

**Feature Extraction**

**Processing**

Detailed component diagrams

Real

Fake

**Categorize the Video as:**

**PYIDE, React Java**

**Video Classification**

**Alignment**

**Cropping**

**Face Detection**

**Post-processing and output**

**Classification layer**

**Temporal Analysis**

**Feature Extraction**

**(Pattern Recognition)**

**Input module**

**(Preprocessing, etc)**

**User Interface**

**(web)**