**ANDROID APP DEVELOPMENT**

Diagram

Description automatically generated

**Figure 2: Flowchart describing an overview of the system framework**

* Firstly, this application creates all types of dependencies required to build this application. The database is connected through this application. After detecting and recognizing the faces the images are stored in a database. Using a mobile camera the input face has been captured.
* For detecting faces from a system framework, encircilation of faces is done by utilizing bounding and shearing out excessive parts of the picture. Face recognition is frequently represented as a method that implicates face detection picture preprocessing, feature extraction, and eventually face recognition.
* Face detection finds one or more faces in the picture and keeps them with a bounding. Then image preprocessing formalizes the face to be compatible with the database, such as geometry and photometric (Alkawaz*et al.* 2020). Feature extraction removes the segments from the face that can be utilized for the recognition assignment.
* Face recognition performs matching of the face against one or more available faces in a set database. A given procedure have an individual module or program for individual steps, which is traditionally the case, or it can merge some or all of the steps into a single procedure.
* Face recognition is a simple word that means identifying and recognizing an individual on the basis of their face. Face recognition is a border term that basically involves two kinds of tests first one is face verification, which is to verify if the person is the same as the one in the given dataset.
* The second is face identification which is to identify who the person is. Face recognition technologies have a wide range of applications. This kind of system can be further implemented which is to detect in real-time by utilizing a dynamic dataset.