**Sequence Diagram:**

false

true

Face

Extract face

Raw face

Image

Student details

Check face in list image

Feature detection

Pre

Processin

Student

Display

Camera

**4.3 E R Diagram:**

Attendence

have

Student

views

Admin

4.4 Data Base Design:

Table: Face\_recognition\_fill

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | Size | Constraints | Description |
| Id | Varchar | 10 | Primary key | Student Id |
| Enrol No: | Varchar | 10 | Not Null | Enrolment Number |
| Name | Varchar | 30 | Not Null | Student name |
| Date | Varchar | 20 | Not Null | Date of Attendance |
| Time | Varchar | 8 | Not Null | Time of Attendance |

**3 . SYSTEM SPECIFICATION**

**3.1 SOFTWARE REQUIREMENTS**

* Operating System : Windows 10
* Language Used : Python
* Backend : MySQL5
* UI Design : Python
* Tool : Visual Studio

**3.2 HARDWARE REQUIREMENTS**

* Processor : Intel i3 or above
* Hard disk : 20 GB or higher
* RAM : 4GB
* Monitor : 17”color Monitor
* Mouse : Microsoft
* Keyboard : Microsoft multimedia keyboard