**DFD for Automated**

**Marks Uploading System**

**Context Level DFD:**

Upload Marks

Recognise Data

Allow Access

Login

0.0

Automated Marks

Upload System

Upload Answer Sheet

Operator

**Level 0 DFD:**

1.0

Allow access if credentials are valid

Login

Request login access by providing login credentials

Verify recognised data

Show recognised data to operator

Show Student & subject details

2.0

Upload

Answer Sheet

Verify

3.0

Upload Answer Sheet

Select Exam Type

Select Answer Sheet

Operator

Apply ML to recognise student

roll no., subject code and marks obtained

Upload marks on database

Edit if recognised data is wrong

**Level 1 DFD:**

Operator

**Login**

Check if user record exists in DB

If record exists

Check Username

1.1

Wrong Password

Match password with user id

1.2

Check Password

1.3

Authorize

Access

Deny

Access

1.4

Employee Database

Correct Password

**Level 1 DFD:**

**Upload Answer Sheet**

Marks Obtained

Subject Code

Roll Number

Image File

2.2

Select

exam type

2.3

2.4

Apply ML to recognise data

Prompt to rectify error

Attach answer sheet image

2.1

Selected file not in proper format

Select image file

Exam type not selected

If image not in proper format

or exam type not selected

If image in proper format

and exam type is selected

Store

Store

Store

**Level 1 DFD:**

**Verify & Upload Marks**

3.1

Marks Database

Upload

If data is incorrect

If data is correct

Upload it

Edit Data

3.3

Marks Obtained

Roll Number

Subject Code

Verify recognised data

3.2

Show recognised details to user