# DATA DICTIONARY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *First\_Name* | *Varchar* | *30* | *False* | *False* | *False* |
| *Last\_Name* | *Varchar* | *30* | *False* | *False* | *False* |
| *Class* | *Varchar* | *10* | *False* | *False* | *False* |
| *Group* | *Varchar* | *10* | *False* | *False* | *False* |
| *Section* | *Varchar* | *1* | *False* | *False* | *False* |
| *Admission\_Number* | *Integer* | *4* | *False* | *False* | ***True*** |
| *Roll\_number* | *Integer* | *6* | ***True*** | *False* | ***True*** |
| *Date\_of\_birth* | *Date* | *None* | *False* | *False* | *False* |
| *Gender* | *Varchar* | *10* | *False* | *False* | *False* |
| *Father\_name* | *Varchar* | *50* | *False* | *True* | *False* |
| *Mother\_name* | *Varchar* | *50* | *False* | *True* | *False* |
| *Guardian\_name* | *Varchar* | *50* | *False* | *True* | *False* |
| *Religion* | *Varchar* | *20* | *False* | *False* | *False* |
| *Nationality* | *Varchar* | *20* | *False* | *False* | *False* |
| *Aadhaar\_number* | *Varchar* | *9* | *False* | *False* | ***True*** |
| *Mobile\_number* | *Varchar* | *10* | *False* | *False* | ***True*** |

## MODEL - STUDENT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Alternate Mobile\_number* | *Varchar* | *10* | *False* | *True* | ***True*** |
| *Email\_id* | *Varchar* | *256* | *False* | *False* | ***True*** |
| *Door\_number* | *Varchar* | *10* | *False* | *False* | *False* |
| *Premises* | *Varchar* | *50* | *False* | *True* | *False* |
| *Street* | *Varchar* | *30* | *False* | *True* | *False* |
| *City* | *Varchar* | *30* | *False* | *False* | *False* |
| *State* | *Varchar* | *30* | *False* | *False* | *False* |
| *Country* | *Varchar* | *20* | *False* | *False* | *False* |
| *Pin code* | *Varchar* | *10* | *False* | *False* | *False* |
| *Student\_Image* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |
| *Study\_Of\_Conduct* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |
| *Transfer\_Certificate* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |
| *Tenth\_Marks\_Long*  *\_Memo* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |
| *Intermediate\_Marks*  *\_Short\_Memo* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |
| *Student\_Signature* | *Image* | *Less than 300 kb* | *False* | *False* | ***True*** |

## MODEL – TEACHER

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Name* | *Varchar* | *30* | *False* | *False* | *False* |
| *Teacher\_id* | *Integer* | *6* | ***True*** | *True* | ***True*** |
| *Mobile\_number* | *Varchar* | *10* | *False* | *False* | ***True*** |
| *Email\_id* | *Varchar* | *256* | *False* | *False* | ***True*** |
| *Department\_id* | *Integer* | *4* | *False* | *False* | *False* |

## MODEL – DEPARTMENT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Department\_Id* | *Varchar* | *7* | ***True*** | *False* | ***True*** |
| *Department* | *Varchar* | *10* | *False* | *False* | ***True*** |

## MODEL – STUDENT ATTENDACE

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Date\_and\_Time* | *Datetime* | *None* | *False* | *False* | *False* |
| *Subject* | *Varchar* | *15* | *False* | *False* | *False* |
| *Semester* | *Integer* | *1* | *False* | *False* | *False* |
| *Roll\_Number* | *Integer* | *6* | ***False (Foreign Key)*** | *False* | *False* |
| *Teacher\_id* | *Integer* | *6* | ***False (Foreign Key)*** | *False* | *False* |
| *Course\_Code* | *Varchar* | *10* | ***False (Foreign***  ***Key*** | *False* | *False* |
| *Attendance* | *Varcher* | *10* | *False* | *False* | *False* |

## MODEL – COURSES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Course\_code* | *Varchar* | *7* | ***True*** | *False* | ***True*** |
| *Subject* | *Varchar* | *10* | *False* | *False* | *False* |
| *Details* | *Varchar* | *50* | *False* | *False* | ***True*** |

## MODEL – STUDENT MARKS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Date\_and\_Time* | *Datetime* | *None* | *False* | *False* | *False* |
| *Semester* | *Integer* | *1* | *False* | *False* | *False* |
| *Course\_code* | *Varchar* | *7* | ***False***  ***(Foreign Key)*** | *False* |  |
| *Exam\_Type* | *Varchar* | *10* | *False* | *False* | *False* |
| *Subject* | *Varchar* | *10* | *False* | *False* | *False* |
| *Roll\_Number* | *Integer* | *6* | ***False***  ***(Foreign Key)*** | *False* | *False* |
| *Teacher\_id* | *Integer* | *6* | ***False***  ***(Foreign Key)*** | *False* | *False* |
| *Marks* | *Float* | *None* | *False* | ***True*** | *False* |

## MODEL – TEACHER COURSES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Group* | *Varchar* | 10 | ***False***  ***(Foreign Key)*** | *False* | *False* |
| *Teacher\_Id* | *Varchar* | 6 | ***False***  ***(Foreign Key)*** | *False* | *False* |
| *Course\_Code* | *Varchar* | *7* | ***False***  ***(Foreign Key)*** | *False* | *False* |
| *Semester\_Teacher* | *Varchar* | *1* | *False* | *False* | *False* |
| *Year\_Of\_Admission* | *Interger* | *10* | *False* | *False* | *False* |

## MODEL –GROUPS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Attributes* | *Datatype* | *length* | *Primary key* | *nullable* | *Unique* |
| *Group* | *Varchar* | 10 | ***True*** | *False* | *True* |
| *Class* | *Varchar* | 10 | *False* | *False* | *False* |
| *Groups\_Type* | *Varchar* | 10 | *False* | *False* | *False* |