## it\_equipment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| Id | Unique identifier of it\_equipment | Numeric(11) | 99999999999 | 0-99999999999 | Y | PK |  |
| equip\_code | Code of equipment | VARCHAR(50) | Sample text here | 50 characters | Y |  |  |
| description | Remarks on reservation | TEXT | Sample text here | 65,535 characters | Y |  |  |
| Checkout\_flag |  | SMALLINT(6) |  |  | Y |  |  |
| status | Status of reservation | Numeric(3) |  |  | Y |  |  |
| PROFESSOR\_id | Unique identifier of  PROFESSOR | Numeric(11) | 99999999999 | 0-99999999999 | Y | FK | PROFESSOR |
| PROFESSOR\_ FACILITY\_id | Unique identifier of PROFESSOR | Numeric(3) | 999 | 0-999 | Y | FK | PROFESSOR |
| PROFESSOR\_ FACILITY\_ CLASS\_ STATUS\_id | Unique identifier of PROFESSOR | Numeric(11) | 99999999999 | 0-99999999999 | Y | FK | PROFESSOR |
| it\_equipment\_ type\_id | Unique identifier of it\_equipment\_  type | Numeric(11) | 99999999999 | 0-99999999999 | Y | FK | It\_equipment\_ type |

## it\_equipment\_type

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of it\_equipment\_  type | Numeric(1) | 99999999999 | 0-99999999999 | Y | PK |  |
| equip\_type | Type of equipment | VARCHAR(50) | Sample text here. | 50 Characters | Y |  |  |

## PROFESSOR

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of PROFESSOR. | NUMERIC(11) | 99999999999 | 0-99999999999 | Y | PK |  |
| FACILITY\_id | Unique identifier of FACILITY. | Numeric(3) | 999 | 0-999 | Y | FK | FACILITY |
| FACILITY\_ CLASS\_ STATUS\_ id | Unique identifier of CLASS\_ STATUS | Numeric(11) | 99999999999 | 0-99999999999 | Y | FK | FACILITY |

## refSubjectOfferingDtl

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| subject\_offering\_id | Unique identifier of refSubjectOfferingDtl. | NUMERIC(11) | 99999999999 | 1-99999999999 | Y | PK |  |
| time | To display the time format. | CHAR(17) | Sample text here. | 17 Characters. | N |  |  |
| time\_start | Starting time of regular class schedule of the course. | NUMERIC(11) | 99999999999 | 1-99999999999 | Y |  |  |
| time\_end | Ending time of regular class schedule of the course. | NUMERIC(11) | 99999999999 | 1-99999999999 | Y |  |  |
| day | Day/s of the week the course takes place. | NUMERIC(11) | 99999999999 | 1-99999999999 | N |  |  |
| room | Location of the room. | VARCHAR(5) | Sample text here. | 5 Characters. | Y |  |  |
| room\_type | Type of the room, either lecture or laboratory. | ENUM | 'Lec', 'Lab' | 2 Constraints. | Y |  |  |

## FACILITY

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of FACILITY | Numeric(4) | 9999 | 0-9999 | Y | PK |  |
| FACILITY\_aircon | Turn on = 1, Turn off = 0 | ENUM | 0 or 1 | 1 Character | Y |  |  |
| FACILITY\_computers | Turn on = 1, Turn off = 0 | ENUM | 0 or 1 | 1 Character | N |  |  |
| FACILITY\_lights | Turn on = 1, Turn off = 0 | ENUM | 0 or 1 | 1 Character | Y |  |  |
| FACILITY\_projector | Turn on = 1, Turn off = 0 | ENUM | 0 or 1 | 1 Character | Y |  |  |
| CLASS\_STATUS\_id | Unique indentifier of CLASS\_  STATUS\_  id | Numeric(5) | 99999 | 0-99999 | Y | FK | CLASS\_  STATUS |
| REPORTS\_id | Unique identifier of REPORTS | Numeric(5) | 99999 | 0-99999 | Y | FK | REPORTS |

## CLASS\_STATUS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of CLASS\_STATUS | Numeric(5) | 99999 | 0-99999 | Y | PK |  |
| CLASS\_ STATUS\_date | Date of class status. | DATE | ‘YYYY-MM-DD’ | '1000-01-01' to '9999-12-31' | Y |  |  |
| CLASS\_ STATUS\_time | Time of suspension. | TIME | ‘HH:MM:SS’ | ‘00:00:00’ to ‘23:59:59' | N |  |  |
| CLASS\_ STATUS\_  description | Description of suspension. | VARCHAR  (100) | Sample text here. | 100 Characters | N |  |  |
| STATUS\_ TYPE | Unique identifier of CLASS\_STATUS \_TYPE | TINYINT | 128 | -127-128 | Y | FK | CLASS\_  STATUS\_ TYPE |

## CLASS\_STATUS\_TYPE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of CLASS\_STATUS \_TYPE | TINYINT | 128 | -127-128 | Y | PK |  |
| STATUS\_TYPE | Status of classes, whether there is a class or none. | ENUM | 0 or 1 or 2 | 1 Character | Y |  |  |

## REPORTS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute Name | Contents | Type | Format | Range | Required | PK or FK | FK Referenced Table |
| id | Unique identifier of REPORTS. | Numeric(5) | 99999 | 0-99999 | Y | PK |  |
| REPORTS\_date | Date of report. | DATE | ‘YYYY-MM-DD’ | '1000-01-01' to '9999-12-31' | Y |  |  |
| REPORTS\_time | Time of report. | TIME | ‘HH:MM:SS’ | ‘00:00:00’ to ‘23:59:59' | Y |  |  |
| REPORTS\_description | Description of report. | VARCHAR(100) | Sample text here. | 100 Characters. | Y |  |  |
| refSubjectOfferingDtl\_subject\_offering\_id | Unique identifier of refSubjectOfferingDtl. | NUMERIC(11) | 99999999999 | 0-99999999999 | Y | FK | refSubjectOffering\_id |
| refSubjectOfferingDtl\_FACILITY\_CLASS\_STATUS\_id | Unique identifier of CLASS\_STATUS. | NUMERIC(11) | 99999999999 | 0-99999999999 | Y | FK | FACILITY |
| PROFESSOR\_id | Unique identifier of PROFESSOR. | NUMERIC(11) | 99999999999 | 0-99999999999 | Y | FK | PROFESSOR |
| PROFESSOR\_FACILITY\_id | Unique identifier of FACILITY. | NUMERIC(3) | 999 | 0-999 | Y | FK | PROFESSOR |