Centralized and Automated Skill Development Management System

# Users Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| user\_id | name | email | password | role | department | joined\_on |
| INT | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | ENUM | VARCHAR(255) | TIMESTAMP |
| Primary Key | Not Null | Unique | Not Null | Not Null | NULL | DEFAULT CURRENT\_TIMESTAMP |

# Training Programs Table

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| program\_id | title | description | trainer\_id | date | location | department | budget | status |
| INT | VARCHAR(255) | TEXT | INT | DATE | VARCHAR(255) | VARCHAR(255) | DECIMAL(10,2) | ENUM |
| Primary Key | Not Null | NULL | Foreign Key | Not Null | NULL | NULL | Not Null | DEFAULT 'pending' |

# Attendance Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| attendance\_id | program\_id | trainee\_id | attended\_on | status |
| INT | INT | INT | TIMESTAMP | ENUM |
| Primary Key | Foreign Key | Foreign Key | DEFAULT CURRENT\_TIMESTAMP | DEFAULT 'present' |

# Feedback Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| feedback\_id | program\_id | trainee\_id | rating | comments | feedback\_date |
| INT | INT | INT | INT | TEXT | TIMESTAMP |
| Primary Key | Foreign Key | Foreign Key | Check (rating between 1 and 5) | NULL | DEFAULT CURRENT\_TIMESTAMP |

# Budgets Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| budget\_id | program\_id | allocated\_amount | approval\_status | approval\_date | approved\_by | comments |
| INT | INT | DECIMAL(10,2) | ENUM | TIMESTAMP | INT | TEXT |
| Primary Key | Foreign Key | Not Null | DEFAULT 'pending' | NULL | Foreign Key | NULL |

# Notifications Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| notification\_id | user\_id | message | type | seen | created\_at |
| INT | INT | TEXT | ENUM | BOOLEAN | TIMESTAMP |
| Primary Key | Foreign Key | Not Null | DEFAULT 'info' | DEFAULT FALSE | DEFAULT CURRENT\_TIMESTAMP |

# Feedback Analysis Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| analysis\_id | program\_id | feedback\_id | sentiment | key\_points | analysis\_date |
| INT | INT | INT | ENUM | TEXT | TIMESTAMP |
| Primary Key | Foreign Key | Foreign Key | DEFAULT 'neutral' | NULL | DEFAULT CURRENT\_TIMESTAMP |