### 1. **HOD Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraint** |
| email | VARCHAR(50) | PRIMARY KEY |
| name | VARCHAR(50) |  |
| password | VARCHAR(50) |  |

### 2. **ProblemLog Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraint** |
| LogID | INT | PRIMARY KEY |
| empID | INT | FOREIGN KEY |
| probID | INT | FOREIGN KEY |
| engID | INT | FOREIGNKEY |
| status | VARCHAR(11) |  |
| LaunchedOn | DATE |  |
| StartedWorking | DATE |  |
| ClosedOn | DATE |  |

### 3. **Engineer Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraint** |
| engID | INT | PRIMARY KEY |
| name | VARCHAR(30) |  |
| email | VARCHAR(30) | UNIQUE |
| password | VARCHAR(30) |  |
| category | VARCHAR(11) |  |

### 4. **Employee Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraint** |
| empID | INT | PRIMARY KEY |
| name | VARCHAR(50) |  |
| email | VARCHAR(50) | UNIQUE |
| password | VARCHAR(20) |  |
| status | VARCHAR(11) |  |

### 5. **Problem Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraint** |
| probID | INT | PRIMARY KEY |
| probDesc | VARCHAR(300) |  |
| category | VARCHAR(11) | FOREIGN KEY Patients(PatientID) |
| priority | VARCHAR(10) |  |