

Payroll Management System Entity Relationship Diagram Tables

These tables below provide the complete database tables details such as **Field Name, Descriptions, data types, character lengths.**

Table Name: Employee

Field	Description	Type	Length
emp_ID (PK)	Employee ID	Int	11
fname	Employee First Name	Varchar	255
lname	Employee Last Name	Varchar	255
gender	Employee Gender	Int	11
age	Employee Age	Int	11
contact_add	Contact Address	Int	11
emp_email	Employee Email	Varchar	255
emp_pass	Employee Password	Varchar	255

Table Name: Users

Field	Description	Type	Length
admin_ID (PK)	Admin ID	Int	11
fname	Instructor First Name	Varchar	255
lname	Instructor Last Name	Varchar	255
gender	Instructor Gender	Int	11
age	Instructor Age	Int	11
contact_add	Contact Address	Int	11
admin_email	Admin Email	Varchar	255
admin_pass	Admin Password	Varchar	255

Table Name: Job Department

Field	Description	Type	Length
job_ID (PK)	Job ID	Int	11
job_dept	Job Department	Varchar	30
name	Job Name	Varchar	30
description	Job Description	Varchar	30
salary_range	Salary Range	Varchar	30

Table Name: Salary or Bonus

Field	Description	Type	Length
salary_ID (PK)	Salary ID	Int	11
job_ID (FK)	Job ID	Int	11
amount	Amount	Int	11
annual	Annual Expense Date		
bonus	Bonus	Date	

Table Name: Leave

Field	Description	Type	Length
leave_ID (PK)	Leave ID	Int	11
emp_ID (FK)	Employee ID	Int	11
date	Date	Date	
status	Leave Status	Varchar	30
reason	Reason for Leave	Text	

Table Name: Payroll

Field	Description	Type	Length
payroll_ID (PK)	Payroll ID	Int	11
emp_ID (FK)	Employee ID	Int	11
job_ID (FK)	Job ID	Int	11
salary_ID (FK)	Salary ID	Int	11
leave_ID (FK)	Leave ID	Int	11
date	Date of Payroll Report	Date	
report	Report	Text	
total amount	Total Amount	Int	11

Entity Relationship Diagram for Payroll Management System

ER Diagram of Payroll Management System shows the system entity relationships in each entity and their supposed functions in each relationship.

Sample ER Diagram for Payroll Management System Project

