4.1 Database Dictionary

1. **Table Name**: assign_task
   Primary Key: id

[Table 1: assign task]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	id	Int (11)	primary key	Assigned task id
2	u_id	Int (20)	unique key	Username
3	t_id	Int (11)	unique key	Task id
4	d_id	Int (20)	unique key	Department id

2. **Table Name**: department
   Primary Key: d_id

[Table 2: department]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	d_id	Int (20)	primary key	Department id
2	d_name	Char (20)	unique key	Department name

3. Table Name: employee_attendance
   Primary Key: id

[Table 3: employee attendance]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	id	Int (11)	primary key	Attendance id
2	emp_id	Int (20)	unique key	Employee id
3	attendance_data	Date	not null	Attendance data
4	in_time	Time	not null	In time
5	out_time	Time	not null	Out time
6	status	Varchar (20)	not null	Attendance status

4. Table Name: leave
   Primary Key: id

[Table 4: leave]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	id	Int (11)	primary key	Leave id
2	emp_id	Int (20)	unique key	Employee id
3	leave_reason	Varchar (90)	not null	Leave reason
4	description	Text	not null	Leave description
5	status	Int (11)	not null	Leave status
6	leave_form	Date	not null	Leave form
7	leave_to	Date	not null	Leave date
8	updated_on	Date	not null	Updating date
9	applied_on	Date	not null	Leave applied date

5. Table Name: project
   Primary Key: project_id

[Table 5: project]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	project_id	Int (20)	primary key	Project id
2	project_name	Varchar (50)	not null	Project name
3	description	Varchar (255)	not null	Project description
4	start_date	Date	not null	Start date
5	end_date	Date	not null	End date
6	status	Char (10)	not null	Project status
7	u_id	Int (20)	not null	User id

6. Table Name: role
   Primary Key: r_id

[Table 6: role]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	r_id	Int (20)	primary key	Role id
2	r_name	Char (20)	not null	Role name

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7. **Table Name**: salary
   Primary Key: id

[Table 7: salary]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	id	Int (11)	primary key	Salary id
2	u_id	Int (11)	unique key	User id
3	base_salary	Decimal (10,2)	not null	Base salary
4	deduction	Decimal (10,2)	not null	Salary deduction
5	allowance	Decimal (10,2)	not null	Salary allowance
6	final_salary	Decimal (10,2)	not null	Final salary
7	month	Varchar (20)	not null	Month
8	year	Int (10)	not null	Year
9	payment_date	Date	not null	Salary date
10	hr_status	Int (11)	not null	Salary status by hr
11	admin_status	Int (11)	not null	Salary status by admin

8. **Table Name**: task
   Primary Key: t_id

[Table 8: task]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	t_id	Int (11)	primary key	Task id
2	t_title	varchar (255)	not null	Task name
3	t_description	Varchar (255)	not null	Task description
4	department	Int (20)	unique key	Task department
5	start_date	Date	not null	Task start date
6	end_date	Date	not null	Task end date
7	status	Varchar (255)	not null	Task status

9. Table Name: users
Primary Key: u_id

[Table 9: users]

SR.NO	FIELD NAME	DATATYPE	CONSTRAINT	DESCRIPTION
1	u_id	Int (20)	primary key	User id
2	username	Varchar (20)	not null	User name
3	password	Varchar (255)	not null	password
4	profile_image	Varchar (255)	not null	Profile image
5	firstname	Char (20)	not null	User first name
6	lastname	Char (20)	not null	User last name
7	email	Varchar (20)	not null	User email id
8	phone	Int (10)	not null	User phone num
9	dob	Date	not null	User dob
10	role	Int (20)	unique key	User role
11	d_id	Int (20)	unique key	User department
12	salary	Int (5)	not null	User salary
13	total_salary_paid	Int (20)	not null	User salary paid
14	address	Varchar (255)	not null	User address
15	city	Varchar (30)	not null	User city
16	state	Varchar (30)	not null	User state
17	pincode	Int (20)	not null	User pincode
18	country	Varchar (30)	not null	User country
19	gender	Varchar (10)	not null	User gender
20	date_of_joining	date	not null	User date of joining