Title: A Project on Development of a Web Application That Represents a Typical IT Farm.

Date: 23 OCT 2022

Database Design

**1. User**

1. ID
2. Custom\_ID
3. name
4. Father\_name
5. Mother\_name
6. Date\_of\_birth
7. Designation
8. Registration\_status
9. User\_role {1->Admin; 2->Accounts; 3->Employee}
10. Nid\_number
11. Bdris\_number
12. Nationality
13. Gender
14. Religion
15. Phone\_number
16. Email
17. password
18. Photograph
19. Signature
20. Present\_Address
21. Permanent\_Address
22. Education Information
23. Training information
24. Job Experience

**Employee**

1. Id
2. User\_id
3. Designation <designation-table>
4. Joining date
5. Salary
6. Resigning date
7. Remarks

**Designation**

1. Id
2. Title
3. Remarks

**2. Notice Board**

1. id
2. Notice\_title
3. Notice\_type
4. File
5. description
6. Time\_stamp
7. Publish\_date
8. Archive\_date
9. Uploader\_id <user>

**3. Attendance\_sheet**

1. Id
2. Employee\_id
3. User\_id
4. Date
5. Time\_stamp
6. Is\_present
7. Remarks

-------------- Accounting

**Income Statement**

**Revenue\_stream**

1. Id
2. Revenue\_head
3. Of\_month
4. Receipt type (cash, bank, receivable)
5. Stream\_name
6. Amount
7. remarks
8. Earning\_date
9. Voucher\_no
10. Voucher\_file
11. Timestamp

**Revenue head**

1. Id
2. code
3. Name
4. Duration (period)
5. remarks

**Return\_refund\_discount\_on\_revenue\_stream**

1. Id
2. Of\_service
3. Of\_month
4. Revenue\_stream\_id
5. Refund\_type {1->return; 2->refund; 3->discount}
6. Amount
7. refund\_date
8. remarks
9. Voucher\_no
10. Voucher\_file
11. Timestamp

**Expenses**

1. Id
2. Of\_month
3. Cost\_head
4. Payment type (cash, bank, payable)
5. title
6. Amount
7. Cost\_type
8. remarks
9. Voucher\_no
10. Voucher\_file
11. Timestamp

**Cost\_head**

1. Id
2. code
3. Name
4. Duration (period)
5. remarks

-------------- project

**Project**

1. Id
2. Custom\_id
3. Title
4. Description
5. Budget
6. Client Id
7. Contract from date
8. Contract till date
9. Contract\_file
10. Timestamp
11. Remarks

**Project\_board**

1. Id
2. Project\_id
3. Task\_title
4. description
5. Starting\_date
6. Completion\_date
7. Completed\_date
8. Assigned\_to
9. Assigned\_by
10. status
11. Timestamp
12. Remarks

**Client**

1. Id
2. Name
3. Logo
4. Contact
5. Address
6. Remarks

**Project team**

1. Id
2. User\_id
3. Emp\_id
4. Project id
5. Project role
6. Starting date
7. Timestamp
8. Remarks

**Administrator duty and responsibilities**

1. Approval or Rejection, Deletion of Users Application.
2. Assign User role to Users.
3. Access Attendance Report
4. Access Employee List Information
5. Access All the projects Information
6. Create New Project
7. Update Existing Project Information
8. Assign/ Cancel Employee to/from Projects
9. Set, Update, and Delete Salary and other allowances to Employees

**#Futute Implementation**

**2. User\_role**

1. Administrator
2. Accountant
3. General\_user

**2: Address**

1. ID
2. Is\_present
3. Village
4. Post\_code
5. Post\_office
6. Union
7. Ward
8. Upazilla
9. District
10. User\_id

**3.Education**

1. ID
2. Exam\_name
3. Subject
4. CGPA
5. Institute\_name
6. Board
7. Duration
8. Passing\_year
9. User\_id

**3.Training**

1. ID
2. Training Title
3. Duration
4. Organizer
5. Certificate
6. User\_id

**4.Experience**

1. ID
2. Organisation\_name
3. Designation
4. Joining\_date
5. Resigning\_date
6. Is\_present
7. Certificate
8. User\_id