SCHOOL OF ICT

DEPARTMENT OF COMPUTER AND SOFTWARE ENGINEERING

ACADEMIC YEAR: 2021-2022

LOG BOOK

Name of student: …**BIZIYAREMYE ALPHOSNSE**……Reg. No……**220011657**…..

Department/Programme: ……**COMPUTER AND SOFTWARE ENGINEERING (CSE)**……………

Name of company/Organization…**RWANDA ENERGY GROUP (REG)**……

Weekly Report No: …**3**…From: …**13/2/2023**…..to…**17/02/2023**……..

Day/date	Brief description of work performed	No. of hours
Monday	Design tables for project	3
13/02/2023	Make all relationships	3
Tuesday	Implementation of project	3
14/02/2023	Migrate users and roles table into Mysql database	3
Wednesday	Migrate department and request table into DB	3
15/02/2023	Model for inserting the data into database	3
Thursday	Controller for inserting data into database	3
16/02/2023	Models for updating the data into database table	3
Friday	Controllers for updating the data into in tables	3
17/02/2023	Route for implementing the create and update	3
Saturday		
Total hours		30

Sequence of activities for main job/assignment		
Design tables for the project	Establish all table relationships	Implement the project according to design specifications
Migrate the users and roles table into the MySQL database	Migrate the department and request table into the database	Create models for inserting data into the database tables
Create controllers for inserting data into the database	Create models for updating data in the database tables	Create controllers for updating data in the database tables
Set up routes for implementing the create and update functions	Test the database operations to ensure they are functioning correctly	Debug and fix any issues found during testing

Note: Absence of trainee must be indicated on the log book

Details of main job

The main job involves designing the database for the project, establishing relationships between tables, and implementing the project. The first step is to design the database, which involves determining what tables are needed and what data needs to be stored. Once the tables have been designed, relationships between them must be established to ensure that data is properly linked.

The next step is to implement the project, which involves migrating existing data from tables into the MySQL database. This process may involve transforming data into a compatible format, or reconfiguring tables to fit the new database structure.

To insert data into the database, the main job requires creating models that represent the data and controllers that handle the insertion process. Similarly, to update data in the database, models and controllers are required to manage the updating process.

Routes must also be set up to implement the create and update functions, enabling users to interact with the database and perform these actions. This can involve creating routes for web requests, API requests, or other forms of interaction with the database.

Throughout the implementation process, attention to detail and a focus on ensuring that the project functions as expected is critical. Testing must be performed to identify and fix any issues that arise, and ongoing support and maintenance will be necessary to keep the system running smoothly.

Overall, the main job involves a mix of software development, database design, and project management skills, requiring an ability to work collaboratively with others and maintain a high level of attention to detail throughout the implementation process.

Name of Training Officer: …………………………………………………………………………
Signature: …………………………………………………………………………………………
Checked date: …………………………………………………………………………………..