**Practical Exam Topic: Basic CRUD e-commerce system using Laravel and VueJS**

**Hours spent: 18 hrs**

**Topic: Installation and Setup of Laravel, VueJS, Node, Bootstrap and implementation of Laravel UI for login feature = 3.5 hrs**

-Installed NodeJS.

-Installed Laravel and created new project.

-Installed VueJS - vitejs/plugin-vue.

-Implemented and modified laravel ui login.

-Installed Bootstrap via npm.

**Topic: Creating database and table migrations = .5 hrs**

-created cwspracexam\_db database in phpmyadmin.

-create\_users\_table migration.

-create\_customers\_table migration.

-create\_transactions\_table migration.

-create\_products\_table migration.

**Topic: Creating controllers and models using php artisan = .5 hrs**

-created DashboardController via php artisan

-created UsersController via php artisan

-created CustomersController via php artisan

-created TransactionsController via php artisan

-created ProductsController via php artisan

-created Customers model via php artisan

-created Products model via php artisan

-created Transactions model via php artisan

-created Users model via php artisan

**Topic: Creating Vue files, blade template and sidebar menu = .5 hrs**

-created sidebar.blade.php using bootstrap classes.

-created dashboard.blade.php view.

-created dashboard\_users.blade.php view.

-created dashboard\_products.blade.php view.

-created dashboard\_customers.blade.php view.

-created dashboard\_customers\_transactions.blade.php view.

-created Customers.vue.

-created Products.vue.

-created Transactions.vue.

-created Users.vue.

**Topic: Development of Users Management Module = 4 hrs**

-developed vue template for Users datatable view.

-fetched Users data via Axios.

-developed Add User, Edit User and Delete User features using vue methods.

-tested the User Module functionality.

**Topic: Development of Customers Management Module with View Transactions = 5 hrs**

-developed vue template for Customers datatable view.

-fetched Customers data via Axios.

-developed a vue method to calculate the Customer's age based on it's birth date.

-developed Add Customer, Edit Customer, Delete Customer, Add Transaction and View Transactions features using vue methods.

-tested the Customer Management Module functionality.

-developed vue template for Customer's transactions datatable view.

-fetched Customer's Transactions based on customer\_id.

-developed vue method to calculate the gross price

-tested the Add Transaction feature.

-tested the View Transactions feature.

**Topic: Development of Products Management Module = 4 hrs**

-developed vue template for Products datatable view.

-fetched Products data via Axios.

-developed Add Products , Edit Products and Delete Products features using vue methods.

-tested the Products Management Module functionality.