

Web Application Development - DIWA2110

Department	: Faculty of Information Communication Technology
Course Name	: Diploma in Information Technology
	: Diploma in Business Information Technology
	: BSc Degree in Information Technology
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Semester	: 1
Commence Date	: Week 6
Deadline Date	: Week 9
Contact Number	:
E-mail	: liteboho.molaoa@limkokwing.ac.ls

Assignment 2
15 %

Assignment Description

The goal of this assignment is to design and develop a web based reporting application for LUCT in the faculty.

Data Entry (Lecturer Reporting Form)

Lecturers must be able to insert the following information:

- Faculty Name
- Class Name
- Week of Reporting
- Date of Lecture
- Course Name
- Course Code
- Lecturer's Name
- Actual Number of Students Present
- Total Number of Registered Students (should be displayed automatically or entered once and retrieved later)
- Venue of the Class
- Scheduled Lecture Time
- Topic Taught
- Learning Outcomes of the Topic
- Lecturer's Recommendations

System Modules

1. Student:

- Login / Register
- Monitoring
- Rating

2. Lecturer:

- Classes
- Reports
- Monitoring
- Rating

3. Principal Lecturer[PRL]:

- Courses [view all courses & lectures under his stream]
- Reports [view lectures reports & add feedback]
- Monitoring
- Rating
- Classes

4. Program Leader[PL]:

- Courses [add, assign lectures modules]
- Reports [view reports from PRL]
- Monitoring
- Classes
- Lectures
- Rating

5. Technology Stack:

- **Frontend:** React, CSS, Bootstrap
- **Backend:** Node JS
- **Database:** SQL / XAMPP

Marking Criteria

Front End	40
Backend	40
Code Quality	20
Total	100

SUBMISSION INFORMATION

- Push your project to GitHub and submit a link to the classroom
- Host the application and submit a link to the classroom

Challeng / Extra credit (10)

- Implement a search functionality for every module
- Generate downloadable reports in Excel format