

# University of Cape Coast

College of Agriculture and Natural Sciences

Department of Computer Science and Information Technology

Software Engineering : INF305



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Course: Software Engineering

Courses code: INF307

Group Number: 25

# **Requirement Document for the UCC Online Learning Platform**

## **Project Definition:**

The UCC Online Learning Platform is a project aimed at University of Cape Coast students(users) , providing a virtual platform for accessing university Compusory courses. The system has five menus:

1. Home
2. Courses
3. About
4. Instructor
5. Contact Us

The system covers courses includes:

- Critical Thinking and Practical Reasoning,
- Information Technology Skills
- Communicative Skills
- Information Literacy Skills
- Entrepreneurship and New Venture Creation.

## **User Requirements:**

### **Student Access:**

- Students should be able to easily register and log in to the platform using their university credentials.
- User-friendly interfaces should be provided for intuitive navigation through the courses.

#### Course Content and Resources:

- Users need access to comprehensive course materials, including lecture notes, videos, and interactive resources.
- The platform should support different content formats to cater to diverse learning styles.

#### Interactive Learning Features:

- Interactive quizzes and assessments should be integrated to facilitate active participation.

#### Assessment and Feedback:

- The platform must support various forms of assessment, including quizzes, assignments and trial questions, .

#### Information Technology Integration:

- Integration of tools and resources for Information Technology Skills training, ensuring students acquire practical skills.

#### Progress Tracking:

- Personalized dashboards for students to track their progress, view grades, and set learning goals.

#### Device Compatibility:

- The platform should be accessible from various devices, including laptops, tablets, and smartphones, ensuring flexibility for students with different devices.

### System Requirements:

#### Security Measures:

- Robust data encryption and secure login protocols to protect user data and privacy.
- Regular security updates and monitoring to prevent unauthorized access.

Scalability:

- The system should be designed to handle a growing number of users, courses, and content without compromising performance.

Compatibility:

- Compatibility with different web browsers and operating systems to accommodate the varied preferences of users.

Reliability and Availability:

- Reliable hosting infrastructure to ensure minimal downtime and uninterrupted access to the platform.

User Support and Training:

- User support services and training resources for both students and instructors to ensure effective utilization of the platform.

Regular Updates:

- Regular updates to the platform to introduce new features, improve functionality, and address any emerging issues.

Data Backup and Recovery:

- Regular automated data backups and a robust recovery plan in case of system failures or data loss.